



**TECHNICAL REPORT INDEX/ABSTRACT**  
(See instructions on reverse side.)

1. TITLE AND SUBTITLE OF DOCUMENT  Gemini Photographs of the World: A Complete Index		2. JSC NO.  JSC- 12875
3. CONTRACTOR/ORGANIZATION NAME  Lockheed Electronics Co., Inc.	4. CONTRACT OR GRANT NO.  NAS 9-15200	
5. CONTRACTOR/ORIGINATOR DOCUMENT NO.  LEC-10508	6. PUBLICATION DATE (THIS ISSUE)  May 1977	
7. SECURITY CLASSIFICATION	8. DPR (OFFICE OF PRIMARY RESPONSIBILITY) Exploratory Studies and Flight Project, SF4 (Patteson)	
9. LIMITATIONS GOVERNMENT HAS UNLIMITED RIGHTS <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	10. AUTHOR(S)  L. E. Giddings	
1F NO, STATE LIMITATIONS AND AUTHORITY		
11. DOCUMENT CONTRACT REFERENCES WORK BREAKDOWN STRUCTURE NO.	12. HARDWARE CONFIGURATION SYSTEM	
CONTRACT EXHIBIT NO.	SUBSYSTEM	
DRL NO. AND REVISION	MAJOR EQUIPMENT GROUP	
DRL LINE ITEM NO.		
13. ABSTRACT  The most authoritative catalogs of photographs of all Gemini missions are assembled into this report. Included for all photographs are JSC identification number, percent cloud cover, geographical area in sight, and miscellaneous information. In addition, details are given on cameras, filters, films, and other technical details. This document contains the primary reference documents for identification of all Gemini photographs of the earth.		
14. SUBJECT TERMS		
<u>Indexes (documentation)</u> <u>Spaceborne Photography</u> <u>Reference Systems</u> <u>Handbooks</u> <u>Lists</u>		

## ABSTRACT

The most authoritative catalogs of photographs of all Gemini missions are assembled into this report. Included for all photographs are JSC identification number, percent cloud cover, geographical area in sight, and miscellaneous information. In addition, details are given on cameras, filters, films, and other technical details. This document contains the primary reference documents for identification of all Gemini photographs of the earth.

#### ACKNOWLEDGEMENT

Most photographs were personally identified by Richard Underwood, Technical Assistant to the Chief, Photographic Technology Division of NASA at JSC. The community of scientists in remote sensing is in his debt for this pioneering work.

We are also in great debt to Margaret Greenwald, retired from the Research Data Facility at JSC. She early recognized the archival value of these documents. She cataloged them and strived to maintain them in usable form for specialists in remote sensing.

The author is also grateful to Eddis Laity, who is currently in charge of the Research Data Facility. Ms. Laity also understood the value of these data. She collaborated fully in assembling this document and preparing it for permanent archiving as a JSC document.

## CONTENTS

Section	Page
1. INTRODUCTION . . . . .	1
1.1 <u>BACKGROUND</u> . . . . .	1
1.2 <u>PURPOSE OF THIS DOCUMENT</u> . . . . .	1
1.3 <u>USE OF THIS DOCUMENT</u> . . . . .	2
1.4 <u>SIMILAR INFORMATION FOR ROCKET FLIGHTS AND         THE MERCURY, APOLLO, SKYLAB, AND APOLLO-SOYUZ         MISSIONS</u> . . . . .	3
1.5 <u>OBTAINING COPIES OF GEMINI PHOTOGRAPHS</u> . . . . .	4
1.6 <u>CONTENTS OF THIS DOCUMENT</u> . . . . .	4
2. GEMINI III . . . . .	5
3. GEMINI IV. . . . .	7
4. GEMINI V . . . . .	15
5. GEMINI VI. . . . .	23
6. GEMINI VII . . . . .	30
7. GEMINI VIII. . . . .	43
8. GEMINI IX. . . . .	47
9. GEMINI X . . . . .	59
10. GEMINI XI. . . . .	73
11. GEMINI XII . . . . .	85
12. REFERENCES . . . . .	100

## 1. INTRODUCTION

### ( 1.1 BACKGROUND

The first bright flush of photographs of the earth's surface taken from space came with the manned Gemini missions. Photographs of interesting parts of the entire globe were suddenly available to earth scientists and layman alike.

Most striking was the sheer beauty of the earth, as seen from this new perspective. Most people were not prepared for this first firm evidence that man was now in space for good. They were even less prepared for the great beauty and diversity that these photographs showed. We truly live on a photogenic planet.

There have been many advances in the collection of images of the earth since Gemini days. Most notable were the Skylab photographs taken in 1973 and 1974, and the multispectral scanner images currently being taken by Landsat-1 and Landsat-2. Still, the Gemini photographs will always be useful to represent the beauty of our earth. They will also serve as a permanent record of the earth as it was at the time they were taken--the only such record taken from the perspective of space. As such, they constitute a valuable patrimony of the space age which needs to be conserved and made available for use.

### 1.2 PURPOSE OF THIS DOCUMENT

None of the documents included here were listed in any abstracting service available to the public, nor have they been assigned JSC numbers, the primary accounting system for JSC publications. As a result, few remote sensing specialists are aware of their separate existence, and the entire conjunction exists only in the libraries of individual scientists.

However, all of these documents are catalogued in the Research Data Facility, REDAF, at the Lyndon B. Johnson Space Center, Mail Code SF12, Houston, TX. 77058. The existence of this facility is not widely known in the domestic community of remote sensing, and many specialists within NASA are not aware of it. In foreign countries it is virtually unknown.

This document assembles these primary references under one title that has been entered into the JSC document system, making the information accessible to a wider range of scientists. It will probably be indexed in Scientific and Technical Aerospace Reports, STAR, and become a public document accessible to any interested person.

### 1.3 USE OF THIS DOCUMENT

This document is essentially a collection of primary research documents (ref. 1-10). As such, it suffers from the defects of the original documents. There are two primary ways of using it.

First, a companion publication, "Index Maps for Gemini Earth Photography," (ref. 11) may serve as a convenient atlas. This document was prepared in the same spirit, to make available certain materials whose existence was not widely known.) Reference numbers in the maps can be traced back to the JSC identification numbers which appear in these documents. The document is available in microfiche and Xerox copy.\*

Another document, "GEMSORT," exists to bring some order into recovery of Gemini and Apollo photographs (ref. 12). This document contains the contents of data files for a computer program that lists photographs by geographical regions. Since it is also abstracted in STAR, it is available from NTIS in Xerox copy.

\*from NTIS, the National Technical Information Service, Springfield, VA. 22151

Beyond these two aids, the lists included sections 2 through 11 of this document, which can be searched sequentially. The total number of photographs in these lists is probably within reason for such a search.

#### 1.4 SIMILAR INFORMATION FOR ROCKET FLIGHTS AND THE MERCURY, APOLLO, SKYLAB, AND APOLLO-SOYUZ MISSIONS

Although not formally a subject of this document, this is a convenient place to list sources of information on other manned missions. For completeness, a source of rocketing information is also listed.

The earliest space photography of the United States and Mexico came from V-2 rockets launched from White Sands Proving Grounds. Data from these early flights are very poorly organized, but all are, in theory, available from:

National Space Science Data Center (NSSDC)  
and U.S. World Center A for Rockets and Satellites  
Goddard Space Flight Center  
Greenbelt, Maryland 20771

This same organization is charged with handling international data from rockets and satellites.

A few useful photographs were taken in the Mercury flights. These are listed in reference 13.

Indices are available for the Apollo Missions (ref. 12, 14-19), Skylab Missions (ref. 20-23), and the Apollo-Soyuz Mission (ref. 24). Some are abstracted in STAR and therefore, available through NTIS; the remainder are maintained in REDAF.

In addition, there are several country indices prepared and in preparation. Available at this time are complete indices for Bolivia (ref. 25) and Mexico (ref. 26).



## 1.5 OBTAINING COPIES OF GEMINI PHOTOGRAPHS

The best of the Gemini photographs can be seen in two fine books published by NASA (ref. 27, 28). Both contain color reproductions and both are priced reasonably. They may be purchased from:

U. S. Government Printing Office  
Washington, D. C.

Some other books with photographs from space are listed in references 29 through 31.

Individual copies of all photographs from manned missions are available through the following organization:

EROS Data Center  
U.S. Department of the Interior  
Sioux Falls, South Dakota 57198

This organization is also charged with furnishing images from other manned missions, as well as data from Landsat-1 and Landsat-2.

## 1.6 CONTENTS OF THIS DOCUMENT

Sections 2 through 11 of this document contain copies of original documents, and section 12 contains a list of references. Since no changes have been made to the text of any of these documents, pagination is specific to each section.

2. GEMINI III  
Ref. 1

REPRODUCIBILITY OF THE  
ORIGINAL PAGE IS POOR

GEMINI III (March 23, 1965)

70MM PHOTOGRAPHY IDENTIFICATION

Camera: Hasselblad, Model 500 C (NASA Modified)  
Lens: Zeiss Planar, 80mm F.L.; F = 2.8  
Film: Format = 55'X55mm; width = 70mm  
Film Type: Eastman Kodak Ektachrome MS (S.O.-217)

Lift Off: 14:24 Zulu (G.E.T.=00:00)  
Splashdown: 19:17 Zulu  
Duration: 4 hr, 52 min, 31 sec.  
Apogee: 140 miles  
Perigee: 100 miles

Command Pilot: Lt. Col. Vergil L. Grissom  
Photography By: LCDR. John W. Young  
Identification By: Richard W. Underwood  
(NASA/MSC/BL-111)  
Date: June 15, 1966 (1st Rev.)

MAGAZINE # 1

FRAME NO.	NASA/FSC COLOR NO.	NASA/MSC B. & W NO.	ORBIT NO.	G.E.T. TIME	LOCATION AND IDENTIFICATION
1	S65-18737	S65-18577	1	1:32	Mexico (Tamaulipas-Huevo Leon); Texas, Gulf of Mexico, Falcon Lake looking SE
2	S65-18738	S65-18571	2	1:38	Clouds, Atlantic Ocean, Bermuda Lower Right
3	S65-18739	S65-18572	2	1:38	Clouds, Atlantic Ocean, near Bermuda
4	S65-18740	S65-18573	2	3:02	Mexico, (Sonora-Baja California) in fore, California in back
5	S65-18741	S65-18575	2	3:02	Mexico (Sonora-Baja California) in fore; California-Arizona in back
6	S65-18742	S65-18574	2	3:03	Mexico (Sonora-Baja California) in fore; California-Arizona in back
7	S65-18743	S65-18570	2	3:03	Mexico (Sonora-Baja California) in fore; California-Arizona in back
8	S65-18744	S65-18569	3	3:40	Clouds over South Eastern Africa Coast
9	S65-18745	S65-18508	3	3:40	Clouds over South Eastern Africa Coast
10	S65-18746	S65-18567	3	3:40	Clouds over South Eastern Africa Coast
11	S65-18747	S65-18566	3	3:40	Clouds over South Eastern Africa Coast
12	S65-18748	S65-18564	3	3:41	Clouds over South Eastern Africa Coast
13	S65-18749	S65-18582	3	3:41	Clouds over South Eastern Africa Coast
14	S65-18750	S65-18581	3	3:41	Clouds over South Eastern Africa Coast
15	S65-18751	S65-18580	3	3:41	Clouds over South Eastern Africa Coast
16	S65-18752	S65-18579	3	3:43	Clouds over Malagasy Republic (South End)
17	S65-18753	S65-18578	3	3:43	Clouds over Malagasy Republic (South End)
18	S65-18754	S65-18588	3	3:43	Clouds over Malagasy Republic (South End)
19	S65-18755	S65-18587	3	3:43	Clouds over Malagasy Republic (South End)
20	S65-18756	S65-18586	3	3:43	Clouds over Malagasy Republic (South End)
21	S65-18757	S65-18585	3	3:45	Clouds over Indian Ocean
22	S65-18758	S65-18584	3	3:45	Clouds over Indian Ocean
23	S65-18759	S65-18583	3	3:45	Clouds over Indian Ocean
24	S65-18760	S65-18576	3	3:45	Clouds over Indian Ocean
25	S65-18761	S65-18565	3	3:50	Limb Sunset over Indian Ocean

050362  
10 00 00

3. GEMINI IV  
Ref. 2

GENIE IV  
70MM PHOTOGRAPHY IDENTIFICATION

Camera: Hasselblad Model 50M C (NASA modified)  
Lens: Zeiss Planar, 80mm F. L.; f-2.8  
Film: Format - 55x55mm; width - 70 mm  
Film Type: Eastman Kodak Ektachrome MS (SO 217)

Lift Off: 1515 Zulu (G.E.T. 00:00)  
Splash down: 1712 Zulu  
Duration of Flight: 97 hours 56 minutes 22 seconds  
Apogee: 175 miles  
Perigee: 100 miles

June 3-7, 1965  
Photography By: Major James A. McDivitt  
Major Edward H. White.  
Identification By: R. W. Underwood,  
NASA-MSC, 1. 11  
Dated June 15, 1966 (4th rev.)

Magazine 16

<u>FRAME NO.</u>	<u>ORBIT NO.</u>	<u>G. E. T. TIME</u>	<u>NASA/MSC COLOR NO.</u>	<u>NASA/MSC B &amp; W NO.</u>	<u>LOCATION &amp; IDENTIFICATION</u>
1	1	1:28	S-65-34630	S-65-32932	Eastern Pacific Ocean
2	1	1:28	S-65-34631	S-65-32933	Eastern Pacific Ocean
3	1	1:31	S-65-34632	S-65-32934	Mexico, Sonora-Chihuahua, looking Northwest
4	1	1:31	S-65-34633	S-65-32935	Mexico, Sonora-Chihuahua, looking Northwest
5	3	4:30	S-65-30431	S-65-32928	EVA, Northeast of Hawaii
6	3	4:32	S-65-34634	S-65-32929	EVA, off coast of California
7	3	4:37	S-65-30427	S-65-32930	EVA, off coast of California
8	3	4:39	S-65-30430	S-65-32931	EVA, over South California
9	3	4:39	S-65-30433	S-65-32924	EVA, over New Mexico
10	3	4:39	----	----	EVA, over New Mexico
11	3	--	S-65-30428	S-65-32926	EVA, over El Paso, Texas
12	3	--	S-65-34636	S-65-32927	EVA, closeup
13	3	--	S-65-34637	S-65-32920	EVA, closeup
14	3	--	S-65-34638	S-65-32921	EVA, closeup
15	3	4:41	S-65-34639	S-65-32922	EVA, over Texas
16	3	--	S-65-34640	S-65-32923	EVA, over Texas
17	3	4:43	S-65-34641	S-65-32916	EVA, over Texas Coast
18	3	4:44	S-65-30429	S-65-32917	EVA, over Gulf of Mexico
19	3	4:44	S-65-30432	S-65-32918	EVA, over Gulf of Mexico
20	3	4:45	S-65-34642	S-65-32919	EVA, over Gulf of Mexico
21	4	6:15	S-65-34643	S-65-32912	Northern Sonora, southern Arizona
22	-	--	S-65-34848	S-65-32913	Limb
23	-	--	S-65-34644	S-65-32914	Clouds, several layers
24	-	--	S-65-34645	S-65-32915	Clouds
25	-	--	----	----	Blank
26	-	--	----	----	Blank
27	-	--	S-65-34646	S-65-32958	Clouds
28	8	12:02	S-65-34647	S-65-32959	Typhoon "Carla", southeast of Japan

50-001 04  
RECEIVED

## GEMINI IV

FRAME NO.	ORBIT NO.	G. E. T. TIME	NASA/HSC COLOR NO.	NASA/HSC B & W NO.	LOCATION & IDENTIFICATION
29	8	12:02	S-65-34648	S-65-32960	Typhoon "Carla", southeast of Japan
30	8	12:03	S-65-34649	S-65-32961	Typhoon "Carla", southeast of Japan
31	8	--	--	--	Blank
32	8	12:04	S-65-34650	S-65-32954	Typhoon "Carla", southeast of Japan
33	8	12:10	S-65-34651	S-65-32955	Pacific Ocean east of Wake Island
34	8	12:11	S-65-34652	S-65-32956	Pacific Ocean east of Wake Island
35	8	12:11	S-65-34653	S-65-32957	Pacific Ocean east of Wake Island
36	8	12:11	S-65-34654	S-65-32950	Pacific Ocean east of Wake Island
37	8	12:18	S-65-34655	S-65-32951	Pacific Ocean southwest of Hawaii
38	9	13:15	S-65-34656	S-65-32952	Aden Colony, Gulf of Aden, Yemen, Aden Protectorate, Somali in background
39	9	13:15	S-65-34657	S-65-32953	Aden Protectorate, Gulf of Aden, looking south to Somali
40	9	13:16	S-65-34658	S-65-32946	Aden Protectorate, Gulf of Aden, in background Wadi Hadramawt
41	9	13:16	S-65-34659	S-65-32947	Aden Protectorate, Gulf of Aden, Ras Asir, Somali in background
42	9	13:19	S-65-34660	S-65-32948	Southern Saudi Arabia, Muscat and Oman
43	9	13:20	S-65-34661	S-65-32949	Sultanate of Muscat and Oman, Ras Al Hadd
44	9	13:57	S-65-34662	S-65-32942	Oacufuc Ocean southeast Canton Island
45	10	14:47	S-65-34663	S-65-32943	Sahara Desert, western Sudan, north Darfur Province, Libyan Desert
46	10	14:48	S-65-34664	S-65-32944	Egypt, Red Sea, Foul Bay, Eastern Desert
47	10	14:51	S-65-34665	S-65-32945	Saudi Arabia, Lava flows north of Hedina, Hejaz area
48	10	14:51	S-65-34667	S-65-32939	Central Saudi Arabia looking southeast to Bahrain Island and Qatar Peninsula and Persian Gulf
49	10	14:53	S-65-34666	S-65-32940	Persian Gulf, Iran coast in foreground, Qatar Peninsula in background
50	11	16:12	S-65-34668	S-65-32941	Nile Delta, Birket Quarum Depression in lower right
51	--	--	--	--	Blank
52	12	17:39	S-65-34669	S-65-32937	Atlantic Ocean between South America and Africa
53	12	17:46	S-65-34670	S-65-32938	Richat Structure, Mauritania

END OF ROLL

Magazine 7

1	12	17:55	S-65-34776	S-65-32752	Nile Delta, Egypt, Suez Canal, Israel, Jordan, Syria, Saudi Arabia, Iraq
2	13	20:35	S-65-34775	S-65-32751	Pacific Ocean southwest of Panama
3	13	20:35	S-65-34774	S-65-32750	Pacific Ocean southwest of Panama
4	13	20:36	S-65-34773	S-65-32749	Pacific Ocean southwest of Panama
5	--	---	S-65-34772	S-65-32756	Limb
6	--	---	S-65-34771	S-65-32755	Limb and Venus
7	--	---	--	S-65-32754	Blank

 REPRODUCTION OF THE  
ORIGINAL PAGE IS POOR

<u>FRAME NO.</u>	<u>ORBIT NO.</u>	<u>G.E.T. TIME</u>	<u>NASA/MSC COLOR NO.</u>	<u>NASA/MSC B &amp; W NO.</u>	<u>LOCATION &amp; IDENTIFICATION</u>
8	--	--		S-65-32753	Blank
9	--	--	S-65-34770	S-65-32760	Limb, not evident on photo
10	--	--	S-65-34769	S-65-32759	Limb
11	18	27:19	S-65-34768	S-65-32758	Southeast Atlantic Ocean off Congo coast
12	18	27:19	S-65-34767	S-65-32757	Southeast Atlantic Ocean off Congo coast
13	18 & 19	28:26	S-65-34766	S-65-32764	Florida Keys, Cape Sable, Everglades National Park
14	19	28:29	S-65-34764	S-65-32763	Florida Straits, Grand Bahama Bank
15	19	28:29	S-65-34763	S-65-32762	Andros Island, Bahamas
16	19	28:30	S-65-34762	S-65-32761	Great Exuma Island, Bahamas
17	19	28:30	S-65-34761	S-65-32765	Acklins & Crooked Island, Bahamas
18	--	--	S-65-34760	S-65-32766	Clouds
19	--	--			Blank
20	--	--	S-65-34759	S-65-32767	Clouds
21	20	31:09	S-65-34758	S-65-32768	Pacific Ocean north of Marcus I
22	20	31:10	S-65-34757	S-65-32769	Pacific Ocean north of Marcus I
23	20	31:10	S-65-34756	S-65-32770	Pacific Ocean north of Marcus I
24	20	31:11	S-65-34755	S-65-32771	Pacific Ocean north of Marcus I
25	20	31:11	S-65-34754	S-65-32772	Pacific Ocean north of Marcus I
26	20	31:12	S-65-34753	S-65-32773	Pacific Ocean north of Marcus I
27	20	31:12	S-65-34752	S-65-32774	Pacific Ocean north of Marcus I
28	20	31:13	S-65-34751	S-65-32775	Pacific Ocean north of Marcus I
29	20	31:13	S-65-34750	S-65-32776	Pacific Ocean north of Marcus I
30	20	31:32	S-65-34749	S-65-32777	Pacific Ocean looking northeast to coast of Mexico (Jalisco - Colima)
31	20	31:32	S-65-34748	S-65-32778	Pacific Ocean looking northeast to coast of Mexico (Manzanillo to Acapulco)
32	20	31:34	S-65-34747	S-65-32779	Pacific Ocean looking northeast to coast of Central America and Mexico (Ch
33	21	32:57	S-65-34746	S-65-32780	Pacific Ocean east of Hawaii
34	21	32:58	S-65-34745	S-65-32781	Pacific Ocean southeast of Hawaii
35	21	32:58	S-65-34744	S-65-32782	Pacific Ocean southeast of Hawaii
36	21	32:59	S-65-34743	S-65-32783	Pacific Ocean southeast of Hawaii
37	21	33:00	S-65-34742	S-65-32784	Pacific Ocean southeast of Hawaii
38	21	33:00	S-65-34741	S-65-32785	Pacific Ocean southeast of Hawaii
39	21	33:01	S-65-34740	S-65-32786	Pacific Ocean southeast of Hawaii
40	21	33:02	S-65-34738	S-65-32787	Pacific Ocean off Mexico, storm "Victoria"
41	21	33:03	S-65-34736	S-65-32788	Pacific Ocean off Mexico, storm "Victoria"
42	21	33:04	S-65-34739	S-65-32789	Pacific Ocean west of Galapago Islands
43	21	33:04	S-65-34735	S-65-32790	Pacific Ocean west of Galapago Islands
44	21	33:05	S-65-34737	S-65-32791	Pacific Ocean west of Galapago Islands
45	--	--			Blank
46	--	--	S-65-34734	S-65-32792	Clouds

GEMINI IV

Page 4 of 7

FRAME NO.	ORBIT NO.	G. E. T. TIME	NASA/MSC COLOR NO.	NASA/MSC B & W NO.	LOCATION & IDENTIFICATION
47	--	--	S-65-34733	S-65-32793	Clouds
48	23	35:37	S-65-34732	S-65-32794	Himalaya Mountains, Tibet, Burma, & India
49	23	35:44	S-65-34731	S-65-32795	Typhoon "Carla" off Japan
50	23	35:54	S-65-34730	S-65-32796	Pacific Ocean east of Wake Island
51	23	35:55	S-65-34729	S-65-32797	Pacific Ocean east of Wake Island
52	23	35:56	S-65-34728	S-65-32798	Pacific Ocean east of Wake Island
53	23	35:56	S-65-34727	S-65-32799	Pacific Ocean east of Wake Island
54	24	36:57	S-65-34726	S-65-32800	Southwest Saudi Arabia, Yemen, Aden Protectorate
55	24	36:58	S-65-34847	S-65-32801	Southwest Saudi Arabia, Aden Protectorate, Seif Dunes
56	24	36:59	S-65-34765	S-65-32802	Southwest Saudi Arabia, Aden Protectorate, Seif Dunes
END OF ROLL					
Magazine 6					
1	25	38:27	S-65-34778	S-65-32814	Northeastern Africa, Sahara Desert (Chad-Libya-Egypt-Sudan area) Plateau D'Erdebe area
2	25	38:29	S-65-34779	S-65-32813	Nile River, Sudan, Nubian Desert
3	25	38:29	S-65-34780	S-65-32812	Nile River, upper Egypt, Sudan, Wadi Halfa area
4	25	38:30	S-65-34781	S-65-32811	Nile River, upper Egypt, Eastern Desert, Nile River
5	25	38:30	S-65-34782	S-65-32810	Southeast Egypt, Eastern Desert, Nile River
6	25	38:30	S-65-34783	S-65-32809	Southeast Egypt, Red Sea
7	25	38:31	S-65-34784	S-65-32808	Southeast Egypt, Red Sea, Ras Banas
8	25	38:33	S-65-34785	S-65-32807	Saudi Arabia in foreground, looking northeast into Iraq
9	25	--	S-65-34786	S-65-32806	China, Hunan Province, Hsiang River, Heng Yang City
10	25	--	S-65-34787	S-65-32805	China, southeast Hunan Province
11	--	--	--	S-65-32804	Blank, overexposed
12	--	--	--	S-65-32803	Blank, overexposed
END OF ROLL (Camera magazine jammed)					
Magazine 8					
1	32	50:26	S-65-34671	S-65-32908	Northern Baja California, Mexico, Todos Santos Bay
2	32	50:26	S-65-34672	S-65-32909	Northern Baja California, Colorado River Valley and mouth
3	32	50:26	S-65-34673	S-65-32910	Baja California, mouth of Colorado River, Sonora Desert
4	32	50:26	S-65-34674	S-65-32911	Sonora Desert, mouth of Colorado River
5	32	50:27	S-65-34675	S-65-32904	Cerro Pinacate Volcanic Range in Sonora, Pipe Organ Cactus National Mon.
6	32	50:27	S-65-34676	S-65-32905	Cerro Pinacate Volcanic Range in Sonora, Pipe Organ Cactus National Mon.
7	32	50:27	S-65-34677	S-65-32906	Sonora, Mexico and Arizona and vicinity
8	32	50:27	S-65-34678	S-65-32907	Kitt Peak Observatory, Arizona and vicinity
9	32	50:27	S-65-34679	S-65-32900	Kitt Peak, Tucson Arizona area
10	32	50:27	S-65-34680	S-65-32901	Tucson, Nogales Arizona area

-11-



<u>FRAME NO.</u>	<u>ORBIT NO.</u>	<u>G.E.T. TIME</u>	<u>NASA/MSC COLOR NO.</u>	<u>NASA/MSC B &amp; W NO.</u>	<u>LOCATION &amp; IDENTIFICATION</u>
11	32	50:27	S-65-34681	S-65-32902	Tombstone-Bisbee Arizona area
12	32	50:27	S-65-34682	S-65-32903	Willcox Dry Lake, Douglas, Arizona, Agua Prieta, Sonora area
13	32	50:28	S-65-34683	S-65-32896	Willcox Dry Lake, Chiracahua Mountains, Arizona, New Mexico, Sonora area
14	32	50:28	S-65-34684	S-65-32897	Chiracahua Mountains area, Arizona, New Mexico, USA, Sonora-Chihuahua
15	32	50:28	S-65-34685	S-65-32898	Playas Lake area, New Mexico, Chihuahua
16	32	50:28	S-65-34686	S-65-32899	Southwestern New Mexico, Northern Chihuahua
17	32	50:28	S-65-34687	S-65-32892	Southwestern New Mexico, Northern Chihuahua
18	32	50:28	S-65-34688	S-65-32893	Southwestern New Mexico, Northern Chihuahua
19	32	50:28	S-65-34689	S-65-32894	Southwestern New Mexico, Northern Chihuahua
20	32	50:28	S-65-34690	S-65-32895	South New Mexico, Texas, Chihuahua
21	32	50:28	S-65-34691	S-65-32888	South New Mexico, El Paso, Texas, Chihuahua
22	32	50:29	S-65-34692	S-65-32889	South New Mexico, El Paso, Texas, Chihuahua
23	32	50:29	S-65-34693	S-65-32890	South New Mexico, El Paso, Texas, Chihuahua
24	32	50:29	S-65-34694	S-65-32891	South New Mexico, El Paso, Texas, Chihuahua
25	32	50:29	S-65-34695	S-65-32884	Texas, Rio Grande and Pecos River Valley, Chihuahua
26	32	50:29	S-65-34696	S-65-32885	Texas, Rio Grande and Pecos River Valley, Chihuahua
27	32	50:29	S-65-34697	S-65-32886	Texas, Rio Grande and Pecos River Valley, Chihuahua
28	32	50:29	S-65-34698	S-65-32887	Texas, Rio Grande and Pecos River Valley, Chihuahua
29	32	50:29	S-65-34699	S-65-32880	Texas, Pecos River Valley
30	32	50:29	S-65-34700	S-65-32881	Texas, Pecos River Valley
31	32	50:30	S-65-34701	S-65-32882	West Texas gas fields
32	32	50:30	S-65-34702	S-65-32883	Texas, Midland-Odessa area
33	32	50:30	S-65-34703	S-65-32876	Texas, Midland-Odessa area
34	32	50:30	S-65-34704	S-65-32877	Texas, Midland-Odessa area
35	32	50:30	S-65-34705	S-65-32878	Texas, Midland-Odessa area
36	32	50:30	S-65-34706	S-65-32879	Texas, Big Spring, Concho River Valley
37	32	50:30	S-65-34707	S-65-32872	Texas, San Angelo, Big Spring area
38	32	50:30	S-65-34708	S-65-32873	Texas, San Angelo, Sweetwater area
39	32	50:30	S-65-34709	S-65-32874	Texas, San Angelo, Abilene area
40	32	50:33	S-65-34710	S-65-32875	West Florida, South Alabama area
41	32	50:33	S-65-34711	S-65-32868	West Florida, South Alabama, Eglin AFB area
42	32	50:33	S-65-34712	S-65-32869	West Florida
43	32	50:34	S-65-34713	S-65-32870	West Florida, Gulf of Mexico
44	32-33	50:34	S-65-34714	S-65-32871	Northeast Florida, Jacksonville-San Augustine
45	33	50:35	S-65-34715	S-65-32864	Central Florida, J. F. Kennedy S. F. C., lower left
46	33	50:35	S-65-34716	S-65-32865	Central Florida, J. F. Kennedy S. F. C., lower left
47	33	50:35	S-65-34717	S-65-32866	Central Florida, J. F. Kennedy S. F. C., lower left
48	33	50:35	S-65-34718	S-65-32867	North Florida, looking west along Gulf coast
49	33	50:36	S-65-34719	S-65-32860	North Florida, looking west along Gulf coast

## GEMINI IV

<u>FRAME NO.</u>	<u>ORBIT NO.</u>	<u>G.E.T. TIME</u>	<u>NASA/MSC COLOR NO.</u>	<u>NASA/MSC B &amp; W NO.</u>	<u>LOCATION &amp; IDENTIFICATION</u>
50	33	50:36	S-65-34720	S-65-32861	South Florida, Bahamas, Cuba
51	33	50:36	S-65-34721	S-65-32862	North Florida Gulf Coast
52	33	50:37	S-65-34722	S-65-32863	South tip of Florida, Bahamas, Cuba
53	33	50:37	S-65-34723	S-65-32857	Bahamas, Cuba
54	33	50:37	S-65-34724	S-65-32858	Bahamas, Cuba
55	33	50:37	S-65-34725	S-65-32859	Atlantic Ocean east of Bahamas

END OF ROLL

Magazine 9

1	40	62:11	S-65-34827	S-65-32854	Kuwait, Iraq, Iran, Head of Persian Gulf
2	40	--	S-65-34826	S-65-32855	Underexposed
3	40	--	--	--	Blank
4	40	--	S-65-34825	S-65-32856	Overexposed
5	40	--	S-65-34824	S-65-32850	Limb
6	40	--	S-65-34823	S-65-32851	Limb
7	40	--	S-65-34822	S-65-32852	Tibet, northeast of Lhasa
8	40	--	S-65-34821	S-65-32853	Clouds
9	--	--	--	--	Blank
10	41	--	S-65-34820	S-65-32846	Clouds
11	41	--	S-65-34819	S-65-32847	Overexposed
12	41	--	S-65-34818	S-65-32848	Libyan Desert of Chad, Sudan, Libya looking southeast
13	--	--	S-65-34817	S-65-32849	Limb
14	--	--	S-65-34816	S-65-32842	Limb
15	--	--	S-65-34815	S-65-32843	Limb
16	--	--	S-65-34814	S-65-32844	Limb and sunrise
17	44	68:09	S-65-34813	S-65-32845	Off west coast of North Africa
18	44	68:09	S-65-34812	S-65-32838	Off west coast of North Africa
19	44	68:09	S-65-34811	S-65-32839	Off west coast of North Africa
20	44	68:13	S-65-34810	S-65-32840	Morocco, Algeria, Spanish Sahara, Mauritania, Hamada Du Dra area
21	44	68:13	S-65-34809	S-65-32841	Morocco, Algeria, Spanish Sahara, Mauritania, Hamada Du Dra area
22	44	68:13	S-65-34808	S-65-32834	Morocco, Algeria, Spanish Sahara, Mauritania, Hamada Du Dra area
23	44	68:14	S-65-34807	S-65-32835	Western Algeria, Sahara Desert
24	44	68:14	S-65-34806	S-65-32837	Western Algeria, Sahara Desert
25	44	68:14	S-65-34805	S-65-32838	Central Algeria, Sahara Desert, Grand Erg Occidental
26	44	68:14	S-65-34804	S-65-32831	Central Algeria, Grand Erg Occidental
27	44	68:14	S-65-34803	S-65-32832	Eastern Algeria, Grand Erg Oriental
28	44	68:14	S-65-34802	S-65-32833	Eastern Algeria, Grand Erg Oriental

GEMINI IV

Page 7 of 7

<u>FRAME NO.</u>	<u>ORBIT NO.</u>	<u>G.E.T. TIME</u>	<u>NASA/HSC COLOR NO.</u>	<u>NASA/HSC B &amp; W NO.</u>	<u>LOCATION &amp; IDENTIFICATION</u>
29	44	68:15	S-65-34801	S-65-32834	Eastern Algeria, Grand Erg Oriental
30	44	68:15	S-65-34800	S-65-32826	Libya-Hamada De Tinrhert area
31	44	68:15	S-65-34799	S-65-32827	Libya-Hamada De Tinrhert area
32	45	69:56	S-65-34798	S-65-32828	South Sudan, Equatorial Province
33	45	69:58	S-65-34797	S-65-32829	Southeast Sudan, Southern Ethiopia, Kenya, Uganda, Lake Rudolph
34	45	69:58	S-65-34796	S-65-32822	Southeast Sudan, Southern Ethiopia, Kenya, Uganda, Lake Rudolph
35	45	70:00	S-65-34795	S-65-32823	Somali coast north of Mogadishu
36	45	--	S-65-34794	S-65-32824	Clouds
37	45	--	S-65-34793	S-65-32825	Clouds
38	45	71:00	S-65-34792	S-65-32818	North Florida, South Georgia
39	45	71:01	S-65-34791	S-65-32819	Georgia, South Carolina coast
40	46	71:02	S-65-34790	S-65-32820	Georgia, South Carolina coast
41	46	71:03	S-65-34789	S-65-32821	Carolina coast, Cape Lookout, Cape Fear
42	46	71:19	S-65-36153	S-65-32816	Richat Structure, Mauritania, overexposed
43	46	71:19	S-65-36154	S-65-32817	Richat Structure, Mauritania, overexposed

END OF ROLL

4. GEMINI V  
Ref. 3

GEMINI V (August 21-29, 1965)

70MM PHOTOGRAPHY IDENTIFICATION

Camera: Hasselblad, Model 500 C (NASA Modified)  
 Lens: Zeiss Planar, 80mm F.L.; F 2.8  
 Film: Eastman Kodak, Ektachrome MS (S.O.-217) Rolls 1, 2, and 3  
 General Aniline & Film, Anscochrome, D-50, Roll 4

Liftoff: 14:00 Zulu (G.E.T.-00:00) Photography By: LT. COL. L. G. Cooper  
 Splashdown: 12:55 Zulu CDR. Charles Conrad, Jr.  
 Duration: 190 hours, 55 min., 14 sec. Identification By: Richard W. Underwood  
 Apogee: 215 miles (NASA/MSC/BL-111)  
 Perigee: 100 miles Date: June 15, 1966 (4th Rev.)

MAGAZINE # 1

FRAME NO.	NASA/MSC COLOR NO.	NASA/MSC B & W NO.	ORBIT NO.	G.M.T. TIME	DATE	LOCATION AND IDENTIFICATION
1	S65-45735	S65-45370	13	0927	22 Aug '65	Canary Islands, Fueteventura I, Morocco in Background
2	S65-45736	S65-45371	13	0937	"	Alexandria, Egypt, Nile Delta, Western Desert
3	S65-45737	S65-45372	14	1103	"	Straits of Gibraltar; looking NE, Morocco in foreground, Spain in Background
4	S65-45738	S65-45373	14	1106	"	Coast of Libya and Tunisia (left) looking NE.
5	S65-45739	S65-45374	15	1238	"	Morocco, Ras Rhir, Agadir
6	S65-45740	S65-45375	15	1238	"	Morocco, Ras Rhir, Agadir, looking NW
7	S65-45741	S65-45376	16	1525	"	Mexico, Chihuahua, Laguna De Encinillas Area
8	S65-45742	S65-45377	16	1525	"	Mexico, Chihuahua, Laguna De Encinillas Area
9	S65-45743	S65-45378	16	1526	"	Mexico, Chihuahua, Laguna De Encinillas Area
10	S65-45744	S65-45379	16	1526	"	Mexico, Chihuahua, West of Presidio, Texas
11	S65-45745	S65-45380	16	1527	"	Gulf of Mexico coast, Texas - Tamaulipas looking South
12	S65-45746	S65-45381	17	1531	"	Florida looking South
13	S65-45747	S65-45382	17	1659	"	California, Salton Sea, Imperial Valley looking Northeast
14	S65-45748	S65-45383	17	1659	"	California, Salton Sea, Imperial Valley looking Northeast
15	S65-45749	S65-45384	17	1700	"	Arizona, Gila River Valley between Phoenix and Yuma looking Northeast
16	S65-45750	S65-45385	17	1701	"	Arizona, Tucson and vicinity
17	S65-45751	S65-45386	17	1701	"	Arizona, New Mexico, Wilcox Dry Lake
18	S65-45752	S65-45387	17	1702	"	Texas, New Mexico, Chihuahua, El Paso, White Sands Area
19	S65-45753	S65-45388	18	1707	"	Florida, Cape Kennedy looking South
20	S65-45754	S65-45389	18	1707	"	Florida, Cape Kennedy looking South
21	S65-45755	S65-45390	18	1712	"	Clouds, Southeast of Bermuda
22	S65-45756	S65-45391	18	1838	"	Florida, Cape Kennedy looking North
23	S65-45757	S65-45392	18	1838	"	Florida, Miami, looking North
24	S65-45758	S65-45393	19	1838	"	Florida, Miami, looking North
25	S65-45759	S65-45394	19	1839	"	Bahama Islands, Andros I
26	S65-45760	S65-45395	19	1839	"	Great Bahama Bank, Tongue of the Ocean, Great Exuma, Cat, and Long Islands
27	S65-45761	S65-45396	19	1839	"	Bahama Islands, Crooked, Acklins, and Long Islands
28	S65-45762	S65-45397	19	1840	"	Bahama Islands, Grand Turk, Caicos Group
29	S65-45763	S65-45398	19	2004	"	Mexico, Baja California looking SE
30	S65-45764	S65-45399	19	2004	"	Mexico, Baja California looking SE
31	S65-45765	S65-45400	19	2009	"	Mexico, Campeche, Lagund De Terminos, Gulf of Mexico
32	S65-45766	S65-45401	19	2009	"	British Honduras, Gulf of Honduras
33	S65-45767	S65-45402	20	2016	"	Clouds over Caribbean Sea

GEMINI V						
FRAME NO.	NASA/MSC COLOR NO.	NASA/MSC B & W NO.	ORBIT NO.	G.M.T. TIME	DATE	LOCATION AND IDENTIFICATION
34	S65-45768	S65-45403	23	0158	23 Aug '65	China, Mouth of Yangtse River (left) Hang Chow Wan - (right) Shanghai in center
35	S65-45769	S65-45404	23	0159	"	Japan, Honshu I. Osaka (left), Nagoya (right) looking Northwest
36	S65-45770	S65-45405	23	0201	"	Typhoon "Lucy" near Japan
37	S65-45771	S65-45406	23	0201	"	Typhoon "Lucy" near Japan
38	S65-45772	S65-45407	25	0453	"	China, Tibet
39	S65-45773	S65-45408	25	0453	"	China, Tibet
40	S65-45774	S65-45409	25	0458	"	China, Tibet Highlands, looking Southeast across Himalayas
41	S65-45775	S65-45410	25	0458	"	China, Tibet Highlands looking South across Himalayas
42	S65-45776	S65-45411	25	0458	"	China, Tibet Highlands looking Southwest across Himalayas
43	S65-45777	S65-45412	25	0505	"	Taiwan looking Eastward
44	S65-45778	S65-45413	28	0929	"	Egypt, Cairo, Nile Delta
45	S65-45779	S65-45414	32	1543	"	Clouds, Gulf of Guinea
46	S65-45780	S65-45415	32	1543	"	Clouds, Gulf of Guinea
47	S65-45781	S65-45416	32	1543	"	Clouds, Gulf of Guinea
48	S65-45782	S65-45417	33	1822	"	Texas, between Laredo and Uvalde
49	S65-45783	S65-45418	33	1826	"	Florida, looking North
50	S65-45784	S65-45419	34	1827	"	Cuba looking Northwest across Camaguey Province
51	S65-45785	S65-45420	34	1827	"	Cuba looking Northwest across Camaguey Province
52	S65-45786	S65-45421	34	1828	"	Cuba looking Northwest across Oriente Province, Guantanamo Bay
53	S65-45787	S65-45422	34	1958	"	Mexico, Sonora, Gulf of California
54	S65-45788	S65-45423	34	2001	"	Gulf of Mexico, Coast of Texas, Tamaulipas looking North
55	S65-45789	S65-45424	35	2133	"	Tropical Storm "Doreen" in Pacific between Hawaii and Mexico
56	S65-45790	S65-45425	35	2133	"	Tropical Storm "Doreen" in Pacific between Hawaii and Mexico
57	S65-45791	S65-45426	35	2143	"	Southern Mexico looking Southeast into Central America
58	S65-45792	S65-45427	36	2150	"	Bolivia-Peru, Lake Titicaca, Lago Poopo and Salar De Uyuni, Cordillera Real
59	S65-45793	S65-45428	36	2150	"	Peru-Bolivia, Lake Titicaca, Cordillera Real
60	S65-45794	S65-45429	36	2150	"	Peru-Bolivia, Lake Titicaca, Cordillera Real
61	S65-45795	S65-45430	41	0624	24 Aug '65	Iran-Iraq looking Southwest
62	S65-45796	S65-45431	41	0625	"	Clouds over China
MAGAZINE # 2						
1	S65-45547	S65-45493	81	2234	26 Aug '65	Clouds near Hawaii
2	S65-45548	S65-45494	83	0125	27 Aug '65	Tropical Storm near Marshall Islands
3	S65-45549	S65-45495	83	0131	"	Bikini Atoll in Marshall Islands
4	S65-45550	S65-45496	83	0131	"	Rongelap Atoll, Ailinginae Atoll and part of Rongerik Atoll, Marshall Islands
5	S65-45551	S65-	83	0148	"	Urine Drop
6	S65-45552	S65-45497	84	0225	"	Eastern Himalaya Mountains looking SE
7	S65-45553	S65-45498	85	0418	"	Storm South of Philippine Islands
8	S65-45554	S65-45499	85	0525	"	Crete, Rhodes, Turkey in upper right, Aegean Island, Greece upper left
9	S65-45555	S65-45500	86	0526	"	Cyprus, Turkey in background

## GEMINI V

3

FRAME NO.	NASA/MSC COLOR NO.	NASA/MSC B & W NO.	ORBIT NO.	G.M.T. TIME	DATE	LOCATION AND IDENTIFICATION
10	S65-45556	S65-45501	86	0526	27 Aug '65	Cyprus, lower left, Turkey and Syria in background (right)
11	S65-45557	S65-45502	86	0512	"	Australia, Northern Territory, Gulf of Carpentaria
12	S65-45558	S65-45503	86	0612	"	Australia, shore of Gulf of Carpentaria, Queensland
13	S65-45559	S65-45504	86	0614	"	Australia, Queensland, Shoal Water Bay, Cape Manifold
14	S65-45560	S65-45505	86	0615	"	Australia, Queensland, Keppel Bay, Capricorn Island
15	S65-45561	S65-45506	87	0654	"	Algeria-Morocco, Atlas Mountains, South of Marrakech
16	S65-45562	S65-45507	87	0656	"	Western Algeria, Erg Chech
17	S65-45563	S65-45508	87	0658	"	Libya-Tripoli area
18	S65-45564	S65-45509	87	0710	"	Red Sea, Coast of Saudi Arabia
19	S65-45565	S65-45510	87	0710	"	Saudi Arabia interior
20	S65-45566	S65-45511	87	0711	"	Saudi Arabia interior
21	S65-45567	S65-45512	87	0745	"	Australia, Northern Territory, McDonnell Range - West of Alice Springs
22	S65-45568	S65-45513	87	0747	"	Australia, Northern Territory, McDonnell Range - West of Alice Springs
23	S65-45569	S65-45514	88	0852	"	Sahara Desert, Chad - Sudan
24	S65-45570	S65-45515	90	1204	"	Tanzania, Lake Tanganyika, looking SW to Congo, Zambia
25	S65-45571	S65-45516	90	1205	"	Tanzania, Zambia, Lake Tanganyika looking SE
26	S65-45572	S65-45517	90	1205	"	Tanzania, Zambia, Malawi, Lake Nyasa looking South
27	S65-45573	S65-45518	90	1207	"	Mozambique coast looking South
28	S65-45574	S65-45519	90	1210	"	Malagasy, Madagascar west coast looking Northwest
29	S65-45575	S65-45520	90	1215	"	Clouds Southeast of Madagascar
30	S65-45576	S65-45521	90	1215	"	Clouds Southeast of Madagascar
31	S65-45577	S65-45522	90	1310	"	Florida, Jacksonville, and Northwest thereof into Georgia
32	S65-45578	S65-45523	92	1510	"	South-west Africa, Cape Cross, north of Walvis Bay
33	S65-45579	S65-45524	92	1510	"	South-west Africa, Port of Walvis Bay, restricted diamond area
34	S65-45580	S65-45525	92	1511	"	South-west Africa, Windhoek area
35	S65-45581	S65-45526	92	1511	"	South-west Africa, Windhoek area
36	S65-45582	S65-45527	92	1551	"	Mexico, Chihuahua-Sonora
37	S65-45583	S65-45528	92	1553	"	Texas, Laredo-Uvalde area
38	S65-45584	S65-45529	92	1554	"	Texas, Gulf Coast, Corpus Christi
39	S65-45585	S65-45530	93	1743	"	Mexico, Baja California, Gulf of California, La Paz City
40	S65-45586	S65-45531	93	1743	"	Mexico, Baja California, southern tip
41	S65-45587	S65-45532	93	1749	"	Central America, Pacific Coast, Honduras-Nicaragua, Gulf of Fonseca
42	S65-45588	-	-	-	"	Zodiacal light study
43	S65-45589	-	-	-	"	Over-exposed
44	S65-45590	-	-	-	"	Over-exposed
45	S65-45591	-	-	-	"	Over-exposed
46	S65-45592	-	-	-	"	Over-exposed
47	S65-45593	S65-45537	106	1300	28 Aug '65	Angola, Tandave River looking Northeast
48	S65-45594	S65-45538	106	1300	"	Angola, Cuito River looking Northeast
49	S65-45595	S65-45539	106	1300	"	Eastern Angola, Cuando River, Western Zambia looking Northeast
50	S65-45596	S65-45540	106	1301	"	Eastern Angola, Western Zambia looking Northeast

4

GEHINI V

FRAME NO.	NASA/HSC COLOR NO.	NASA/HSC B & W NO.	ORBIT NO.	G.M.T. TIME	DATE	LOCATION AND IDENTIFICATION
51	S65-45597	S65-45541	106	1301	28 Aug '65	Western Zambia, Southern Rhodesia, eastern Angola looking NE
52	S65-45598	S65-45542	106	1301	"	Zambia, Southern Rhodesia, Mozambique, Kariba Res. looking NE
53	S65-45599	S65-45543	106	1404	"	Kennedy Space Center, Florida
54	S65-45600	S65-45544	107	1432	"	Coast of South and South-West Africa, Orange River
55	S65-45601	S65-45545	107	1434	"	South Africa, Kimberly - Bloemfontein, Orange Free State area
56	S65-45602	S65-45546	-	-	-	Sky study - Moon

MAGAZINE #3

1	S65-45672	-	1	-	21 Aug '65	Radar Evaluation Pod
2	S65-45673	-	1	-	"	Radar Evaluation Pod
3	S65-45674	S65-45432	2	1702	"	Clouds off coast of Baja California
4	S65-45675	S65-45433	2	1703	"	Clouds off coast of Baja California, Isla Cedros
5	S65-45676	S65-45434	2	1703	"	Mexico; Baja California; Gulf of California; Sonora; California; Arizona
6	S65-45677	S65-45435	2	1705	"	Clouds, New Mexico area
7	S65-45678	S65-45436	2	1711	"	Clouds, Gulf Coast area
8	S65-45679	S65-45437	2	1711	"	Clouds, Mississippi Delta - Florida area
9	S65-45680	S65-45438	2	1712	"	Florida, looking South
10	S65-45681	S65-45439	3	1717	"	Thunderstorms SE of Bermuda
11	S65-45682	S65-45440	3	1718	"	Clouds SE of Bermuda
12	S65-45683	S65-45441	-	-	"	Comdr. C. Conrad, Jr.
13	S65-45684	S65-45442	-	-	"	Over-exposed
14	S65-45685	S65-45443	4	1851	"	East end of Hispaniola (Dominican Rep.) looking SE
15	S65-45686	S65-45444	4	1855	"	Clouds over Atlantic East of Lesser Antilles
16	S65-45687	S65-45445	4	1856	"	Clouds over Atlantic East of Lesser Antilles
17	S65-45688	S65-45446	4	1856	"	Brazil, French Guiana, Dutch Guiana looking SE
18	S65-45689	S65-45447	4	1857	"	Brazil, French Guiana looking SE, Hurricane Betsy in foreground
19	S65-45690	S65-45448	4	1908	"	Limb off west coast of Africa
20	S65-45691	S65-45449	4	1954	"	Clouds near Wake Island
21	S65-45692	S65-45450	4	1954	"	Clouds near Wake Island
22	S65-45693	S65-45451	4	1955	"	Clouds near Wake Island
23	S65-45694	S65-45452	4	2004	"	Clouds near Wake Island
24	S65-45695	S65-45453	4	2005	"	Clouds - Note ship and wake north of Hawaii
25	S65-45696	S65-45454	4	2012	"	Coast of California, San Luis Obispo, south to Ensenada, looking East
26	S65-45697	S65-45455	4	2014	"	Mexico; Baja California; Sierra Vizcalno, Isla Cedros, Guadalupe I. Note: clouds
27	S65-45698	S65-45456	4	2014	"	Mexico; Baja California; Guadalupe I. Note: clouds
28	S65-45699	S65-45457	4	2015	"	Mexico; Baja California, Puerto Eugenia
29	S65-45700	S65-45458	4	2015	"	Mexico; Gulf of California, Angel De La Guarda I.
30	S65-45701	S65-45459	4	2015	"	Mexico; Gulf of California, Sonora Coast, Tiburon I.
31	S65-45702	S65-45460	4	2015	"	Mexico; Gulf of California, Sonora Coast, Tiburon I.
32	S65-45703	S65-45461	4	2016	"	Mexico; Baja California; Sonora; California; Arizona
33	S65-45704	S65-45462	4	2021	"	Yucatan; British Honduras; Honduras; Gulf of Honduras
34	S65-45705	S65-45463	4	2022	"	Honduras-Nicaragua, Caribbean Coast, Cape Gracias A Dios



FRAME NO.	NASA/HSC COLOR NO.	NASA/HSC B & W NO.	ORBIT NO.	G.H.T. TIME	DATE	LOCATION AND IDENTIFICATION
35	S65-45706	S65-45464	6	0047	22 Aug 65	Limb; Sunrise south of India
36	S65-45707	S65-45465	6	0055	"	North end of Luzon, Philippines looking SW
37	S65-45708	S65-45466	6	0055	"	North end of Luzon, Philippines looking SW
38	S65-45709	S65-45467	8	0157	"	Himalaya Mountains, Tibet, Nepal, India, Sikkim, Kanchenjunga Range
39	S65-45710	S65-45468	8	0158	"	Himalaya Mountains, Tibet, Bhutan looking NNW
40	S65-45711	S65-45469	8	0158	"	Tibet, Namtsho (Lake) in center looking North
41	S65-45712	S65-45470	8	0159	"	Tibet, looking north into Tsinghai Province
42	S65-45713	S65-45471	8	0200	"	China Szechwan - Hupeh Province, Yangtze River, Northeast Chungking
43	S65-45714	S65-45472	8	0203	"	China looking North, Huang (yellow) river near Hsian in background
44	S65-45715	S65-45473	8	0208	"	Japan, Honshu-Kyushu Islands, Korea in background
45	S65-45716	S65-45474	9	0330	"	Saudi Arabia, Empty Quarter, Sief Dunes
46	S65-45717	S65-45475	9	0441	"	China, Szechwan Province
47	S65-45718	S65-45476	9	0441	"	China, Szechwan Province
48	S65-45719	S65-45477	9	0441	"	China, Szechwan Province
49	S65-45720	S65-45478	10	0459	"	Iran, East of Shiraz, Persepolis ruins, salt lakes
50	S65-45721	S65-45479	10	0459	"	Iran, East of Shiraz, Kayir Salt Flats, near Saida Bad
51	S65-45722	S65-45480	10	0500	"	Iran, eastern section, West side of Dasht-i-Lut Salt Desert, North of Kerman
52	S65-45723	S65-45481	10	0501	"	Iran, Dasht-i-Lut Desert, looking West
53	S65-45724	S65-45482	10	0506	"	Tibet - clouds
54	S65-45725	S65-45483	10	0512	"	China, Hunan-Hupeh Provinces, Tunging Hu Lake, Yangtze River
55	S65-45726	S65-45484	11	0628	"	Saudi Arabia, Jordan, Iraq, Al Hamad area
56	S65-45727	S65-45485	11	0628	"	Northern Saudi Arabia, An Nafud area
57	S65-45728	S65-45486	11	0635	"	Afganistan-Iran frontier area west of Farah, North of Zahedan
58	S65-45729	S65-45487	11	0636	"	Afganistan, Kajakai Reservoir North of Kandahar
59	S65-45730	S65-45488	11	0647	"	Afganistan, Kajakai Reservoir North of Kandahar
60	S65-45731	S65-45489	11	0649	"	China, Kwangtung-Kwangsi Provinces, Gulf of Tonkin, Leiuchou Peninsula
61	S65-45732	S65-45490	11	0651	"	West coast of Luzon, Linguyan Gulf
62	S65-45733	S65-45491	12	0756	"	Southeast Luzon
63	S65-45734	S65-45492	12	0758	"	Southwest Algeria, Erg Chech

## MAGAZINE #4

1	S65-45603	S65-45301	42	0749	24 Aug 65	India, Gulf of Kutch, City of Jamnagar
2	S65-45604	S65-45302	42	0804	"	North coast of Australia, Wessel Islands
3	S65-45605	S65-45303	43	0913	"	Algeria, Mediterranean Sea, Balearic Islands, Spain looking North
4	S65-45606	S65-45304	43	0920	"	Egypt, Nile Delta, Suez Canal, Cairo, Nile River, Faiyum depression
5	S65-45607	S65-45305	43	0920	"	Egypt, Suez Canal, looking East
6	S65-45608	S65-45306	43	0921	"	Red Sea, North end of Egypt-Saudi Arabia
7	S65-45609	S65-45307	45	1336	"	Pensacola-Mobile area
8	S65-45610	S65-45308	-	-	"	Inside Gemini V
9	S65-45611	S65-45309	-	-	"	Out of focus
10	S65-45612	S65-45310	46	2135	"	Bolivia, Lake Poopo
11	S65-45613	S65-45311	46	2135	"	Bolivia, Lake Poopo
12	S65-45614	S65-45312	51	2243	"	Clouds
13	S65-45615	S65-45313	51	2248	"	Island of Hawaii, looking South

FRAME NO.	NASA/HSC COLOR NO.	NASA/HSC B & W NO.	ORBIT NO.	G.M.T. TIME	DATE	LOCATION AND IDENTIFICATION
14	S65-45616	S65-45314	51	2248	24 Aug 65	Hawaiian Islands (Hawaii, Maui, Kahoolawe, Molokai, Oahu, Kauai)
15	S65-45617	S65-45315	55	0431	25 Aug 65	Iran-Iraq looking West into Valley of Tigris River
16	S65-45618	S65-45316	55	0431	"	Iran-Iraq looking NW (note dust storm)
17	S65-45619	S65-45317	55	0431	"	Iran-Iraq looking NW (note dust storm)
18	S65-45620	S65-45318	55	0435	"	Western Iran
19	S65-45621	S65-45319	55	0436	"	Pakistan south of Rawalpindi between Indus and Jhelum Rivers
20	S65-45622	S65-45320	55	0437	"	Tibet India - Himalaya Mountains
21	S65-45623	S65-45321	55	0439	"	Tibet SW of Lhasa, Himalaya Mountains
22	S65-45624	S65-45322	55	0439	"	Tibet SW of Lhasa, Himalaya Mountains
23	S65-45625	S65-45323	55	0446	"	China, Kwangtung Province, Hong Kong-Macao area
24	S65-45626	S65-45324	58	0918	"	Egypt, Nile Valley, Western Desert, City of Asyut
25	S65-45627	S65-45325	62	1637	"	Florida looking SE
26	S65-45628	S65-45326	63	1639	"	Cuba, Camaguey Province looking SE to Caribbean Sea
27	S65-45629	S65-45327	63	1639	"	Bahama Islands, Great Exuma and Long Islands
28	S65-45630	S65-45328	63	1640	"	Cuba, East Tip, Oriente Province, also Hispaniola, Jamaica, Great Inagua
29	S65-45631	S65-45329	63	1803	"	California coastline, Los Angeles south, Salton Sea in background
30	S65-45632	S65-45330	63	1811	"	Mexico, Yucatan, Gulf of Mexico looking North
31	S65-45633	S65-45331	63	1812	"	Mexico, Yucatan Peninsula, British Honduras looking West
32	S65-45634	S65-45332	63	1814	"	Honduras-Micaragua Caribbean coast looking Southwest
33	S65-45635	S65-45333	65	2056	"	Inside Spacecraft
34	S65-45636	S65-45334	65	2109	"	Out of focus - storm
35	S65-45637	S65-45335	65	2110	"	Out of focus - storm
36	S65-45638	S65-45336	66	2130	"	Out of focus
37	S65-45639	S65-45337	66	2130	"	Double exposure
38	S65-45640	S65-45338	66	2225	"	Japan, Shu Honshu I., looking NW to Korea
39	S65-45641	S65-45339	67	2359	"	Japan, Ise Wan, Port of Nagoya, Osaka far left
40	S65-45642	S65-45340	67	2359	"	Japan, Ise Wan, Port of Nagoya, Osaka far left
41	S65-45643	S65-45341	68	0121	26 Aug 65	India-Tibet, Zaskar Range, NE of Dehra-Dun
42	S65-45644	S65-45342	68	0121	"	India-Tibet, Nepal, Guriamandhat Peak (25325')
43	S65-45645	S65-45343	68	0122	"	Tibet, headwaters of Brahmaputra River
44	S65-45646	S65-45344	68	0122	"	Tibet-Nepal looking SW toward Mt. Everest
45	S65-45647	S65-45345	69	0249	"	Iran, Dasht-i-Lut Desert, Kerman City, Note scissors fault
46	S65-45648	S65-45346	69	0250	"	China-India-Kashmir-Pakistan disputed area, Mr. Godwin-Austen (K-2), Indus River
47	S65-45649	S65-45347	69	0250	"	Tibet-Kashmir (India-China disputed area) Chang Chempo Range, Nyak-Tsho Lake
48	S65-45650	S65-45348	69	0303	"	China coast, Fukien Province, mouth of Futun-Min River, Fouchou City
49	S65-45651	S65-45349	70	0435	"	Northeast New Guinea (Papua) looking SW, Bismarck Sea in foreground, Coral Sea in back
50	S65-45652	S65-45350	71	0624	"	Australia, York Cape Peninsula, Queensland (Note - Great Barrier Reef)
51	S65-45653	S65-45351	71	0624	"	Australia, York Cape Peninsula, Queensland
52	S65-45654	S65-45352	71	0625	"	Australia, York Cape Peninsula, Queensland
53	S65-45655	S65-45353	71	0625	"	Australia, York Cape Peninsula, Queensland, Great Dividing Range
54	S65-45656	S65-45354	71	0625	"	Australia, York Cape Peninsula, Queensland, Mitchell River Valley
55	S65-45657	S65-45355	71	0626	"	Australia, York Cape Peninsula, Queensland

FRAME NO.	NASA/HSC COLOR #	NASA/HSC B & W #	ORBIT NO.	G.R.T. TIME	DATE	LOCATION AND IDENTIFICATION
56	S65-45658	S65-45356	71	0626	26 Aug 65	Australia, Cape York Peninsula, Queensland
57	S65-45659	S65-45357	-	-	"	Underexposed - Sunset on Clouds
58	S65-45660	S65-45358	-	-	"	Underexposed - Sunset on Clouds
59	S65-45661	S65-45359	72	0729	"	Island of Crete looking North to Greece and Turkey
60	S65-45662	S65-45360	72	0731	"	Shoreline of Persian Gulf, Saudi Arabia, Abu-Ail (note pipeline)
61	S65-45663	S65-45361	72	0757	"	Underexposed
62	S65-45664	S65-45362	74	1025	"	Morocco, Ras (Cape) Rhir, Agadir
63	S65-45665	S65-45363	74	1025	"	Morocco south of Agadir, Spanish Ifni (note storm)
64	S65-45666	S65-45364	74	1027	"	Sahara Desert - Morocco-Algeria Border Area
65	S65-45667	S65-45365	74	1027	"	Mid Sahara Desert - Algeria
66	S65-45668	S65-45366	76	1334	"	Cape Verde Islands, Boa Vista (center), Sal, Maio, Sao Tiago
67	S65-45669	S65-45367	76	1334	"	Cape Verde Islands, Sao Nico Lau, Santo Antao, Fogo looking Southwest
68	S65-45670	S65-45368	77	1614	"	El Paso-Juarez looking SE
69	S65-45671	S65-45369	77	1614	"	Texas-Mexico, El Paso-Juarez-White Sands-New Mexico area

5. GEMINI VI  
Ref. 4

GEMINI VI (December 15-16, 1965)

70MM PHOTOGRAPHY IDENTIFICATION

Camera: Hasselblad Model 500 (NASA Modified)  
 Lens: Zeiss Planar 80mm F.L., F= 2.8  
 Film: Eastman Kodak, Ektachrome MS (S.O. 217)

Liftoff: 13:37 Zulu (G.E.T.=00:00)  
 Splashdown: 15:28 Zulu  
 Duration: 25 hr, 51 min., 24 sec.

Photography By: Captain W.H. Schirra, Jr.,  
 Major T.P. Stafford,  
 Identification By: R. W. Underwood (NASA/MSC/E  
 Date: June 15, 1966 (To be revised)  
 (2nd Rev.)

MAGAZINE "A"

\* Distance in feet camera to adapter equipment section - length of spacecraft 18.3' ft (5.6M);  
 Photo Secured at 185 Mile Altitude camera to nose - 8.3 ft (2.5M).

FRAME NO.	NASA/MSC COLOR NO.	NASA/HQ Color No.	ORBIT NO.	G.E.T. TIME	DATE	LOCATION AND IDENTIFICATION
1	S65-63163	65-H-2000	5	7:49	Dec. 15	Rendezvous GT-VII 48* Oblique View, Pilot side, nose down
2	S65-63164	2001	5	Begin	" 15	Rendezvous GT-VII 40* Nose toward camera
3	S65-63165	2002	5	Sequence	" 15	Rendezvous GT-VII 43* Nose toward camera
4	S65-63166	2003	5		" 15	Rendezvous GT-VII 37* Nose toward camera
5	S65-63167	2004	5		" 15	Rendezvous GT-VII 36* Nose toward camera
6	S65-63168	2005	5		" 15	Rendezvous GT-VII 40* Nose toward camera
7	S65-63169	2006	5		" 15	Rendezvous GT-VII 43* Nose toward camera
8	S65-63170	2007	5		" 15	Rendezvous GT-VII 45* Nose toward camera
9	S65-63171	2008	5		" 15	Rendezvous GT-VII 55* Nose toward camera
10	S65-63172	2009	5		" 15	Rendezvous GT-VII 45* Oblique nose view
11	S65-63173	2010	5		" 15	Rendezvous GT-VII 53* Oblique nose view
12	S65-63174	2011	5		" 15	Rendezvous GT-VII 62* Oblique nose view, half in shadow
13	S65-63175	2012	5		" 15	Rendezvous GT-VII 63* Nose view, half in shadow
14	S65-63176	2013	5		" 15	Earth Limb, Clouds over sea
15	S65-63177	2014	5		" 15	Rendezvous GT-VII 52* Looking vertical at side view, clouds
16	S65-63178	2015	5		" 15	Rendezvous GT-VII 58* Looking vertical at side view, clouds
17	S65-63179	2016	5		" 15	Rendezvous GT-VII 68* Looking vertical at side view, clouds
18	S65-63180	2017	5		" 15	Rendezvous GT-VII 87* Looking vertical, oblique adapter section toward camera
19	S65-63181	2018	5		" 15	Rendezvous GT-VII 110* Looking vertical, oblique adapter section toward camera
20	S65-63182	2019	5		" 15	Rendezvous GT-VII 120* Adapter Section toward camera, oblique view
21	S65-63183	2020	5		" 15	Rendezvous GT-VII 120* Adapter End only visible, above horizon
22	S65-63184	2021	5		" 15	Rendezvous GT-VII 150* Oblique view, adapter toward camera
23	S65-63185	2022	5		" 15	Rendezvous GT-VII 210* Side view, sky background
24	S65-63186	2023	5		" 15	Rendezvous GT-VII 220* Side view, sky background
25	S65-63187	2024	5		" 15	Rendezvous GT-VII 275* Nose view, sky background
26	S65-63188	2025	5		" 15	Rendezvous GT-VII 50* Oblique, Nose toward camera, view at horizon
27	S65-63189	2026	5		" 15	Rendezvous GT-VII 35* Oblique nose view, perfect stereo with 28
28	S65-63190	2027	5		" 15	Rendezvous GT-VII 35* Oblique nose view, perfect stereo with 27
29	S65-63191	2028	5		" 15	Rendezvous GT-VII 33* Oblique, nose view
30	S65-63192	2029	5		" 15	Rendezvous GT-VII 24* Side view nose hidden by nose of GT-VI

50 - 00186

## MAGAZINE "A" CONTINUED

FRAME NO.	NASA/MSC COLOR NO.	NASA/HQ Color No.	ORBIT NO.	G.E.T. TIME	DATE	LOCATION AND IDENTIFICATION
31	565-63193	65-H-2030	5		Dec. 15	Rendezvous GT-VII 22* Side view, part of adapter hidden by nose of GT-VI
32	565-63194	2031	5		" 15	Rendezvous GT-VII 35* Side view, part of adapter hidden by nose of GT-VI
33	565-63195	2032	5		" 15	Rendezvous GT-VII 38* Side view turning nose away from camera
34	565-63196	2033	5		" 15	Rendezvous GT-VII 40* Oblique view turning nose away from camera
35	565-63197	2034	5		" 15	Rendezvous GT-VII 42* Oblique view, dark shadows of adapter section
36	565-63198	2035	5	End	" 15	Rendezvous GT-VII 47* Adapter section view in deep shadow
37	565-63199	2036	5	of	" 15	Rendezvous GT-VII 25* Sun in lens, ruins picture quality, adapter side only
38	565-63200	2037	5	Sequence	" 15	Rendezvous GT-VII 30* Sun in lens, ruins picture quality, side view
39	565-63201	2038	5	8:10	" 15	Rendezvous GT-VII 65* Sun in lens, ruins picture quality, side view
40	565-63202	2039	6	9:09	" 15	Rendezvous GT-VII 30* Side view, adapter section only
41	565-63203	2040	6	Begin	" 15	Rendezvous GT-VII 32* Side view, adapter section only
42	565-63204	2041	6	Sequence	" 15	Rendezvous GT-VII 40* Side view, turning adapter section toward camera
43	565-63205	2042	6		" 15	Rendezvous GT-VII 45* Side view, turning adapter section toward camera
44	565-63206	2043	6		" 15	Rendezvous GT-VII 50* Oblique view, turning adapter section toward camera
45	565-63207	2044	6		" 15	Rendezvous GT-VII 65* Oblique view, turning adapter section toward camera
46	565-63208	2045	6		" 15	Rendezvous GT-VII 75* Oblique view, turning adapter section toward camera
47	565-63209	2046	6		" 15	Rendezvous GT-VII 130* Side view, looking vertical, clouds - sea background
48	565-63210	2047	6		" 15	Rendezvous GT-VII 130* Side view, looking vertical, clouds - sea background
49	565-63211	2048	6		" 15	Rendezvous GT-VII 125* Side view, looking vertical, clouds - sea background
50	565-63212	2049	6		" 15	Rendezvous GT-VII 100* Oblique view, adapter toward camera, clouds - sea in background
51	565-63213	2050	6		" 15	Rendezvous GT-VII 90* Oblique view, adapter toward camera
52	565-63214	2051	6		" 15	Rendezvous GT-VII 75* Oblique view, adapter toward camera
53	565-63215	2052	6		" 15	Rendezvous GT-VII 65* Oblique view, adapter toward camera
54	565-63216	2053	6		" 15	Rendezvous GT-VII 50* Side view, clouds - sea in background
55	565-63217	2054	6		" 15	Rendezvous GT-VII 48* Side view, clouds - sea in background
56	565-63218	2055	6		" 15	Rendezvous GT-VII 45* Side view, clouds - sea in background
57	565-63219	2056	6		" 15	Rendezvous GT-VII 40* Oblique view, turning adapter toward camera
58	565-63220	2057	6		" 15	Rendezvous GT-VII 37* Oblique view, turning adapter toward camera
59	565-63221	2058	6	End	" 15	Rendezvous GT-VII 37* Oblique view, turning adapter toward camera
60	565-63222	2059	6	of	" 15	Rendezvous GT-VII 42* Adapter end only visible
61	565-63223	2060	6	Sequence	" 15	Rendezvous GT-VII 42* Adapter end only visible
62	565-63224	2061	6	9:37	" 15	Rendezvous GT-VII 42* Adapter end only visible, partial frame

End of Magazine "A"

FRAME NO.	NASA/HSC COLOR NO.	NASA/HQ Color No.	ORBIT NO.	G.E.T. TIME	DATE	LOCATION AND IDENTIFICATION
1	S65-63101	65-H-2062	7	10:17	Dec. 15	Rendezvous with GT-VII, 50* Side view, off west coast of India
2	S65-63102	2063	7	Begin	" 15	Rendezvous with GT-VII, 58* Side view, off west coast of India
3	S65-63103	2064	7	Sequence	" 15	Rendezvous with GT-VII, 60* Side view, off west coast of India
4	S65-63104	2065	7	"	" 15	Rendezvous with GT-VII, Double exposure
5	S65-63105	2066	7	"	" 15	Rendezvous with GT-VII, 150* Side view, rotation sequence
6	S65-63106	2067	7	"	" 15	Rendezvous with GT-VII, 150* Side view
7	S65-63107	2068	7	"	" 15	Rendezvous with GT-VII, 150* Side view
8	S65-63108	2069	7	"	" 15	Rendezvous with GT-VII, 160* Side view
9	S65-63109	2070	7	"	" 15	Rendezvous with GT-VII, 180* Side view
10	S65-63110	2071	7	"	" 15	Rendezvous with GT-VII, 160* Side view
11	S65-63111	2072	7	"	" 15	Rendezvous with GT-VII, 170* Side view
12	S65-63112	2073	7	"	" 15	Rendezvous with GT-VII, 180* Side view
13	S65-63113	2074	7	"	" 15	Rendezvous with GT-VII, 150* Side view
14	S65-63114	2075	7	"	" 15	Rendezvous with GT-VII, 150* Side view
15	S65-63115	2076	7	"	" 15	Rendezvous with GT-VII, 140* Side view
16	S65-63116	2077	7	"	" 15	Rendezvous with GT-VII, 125* Side view
17	S65-63117	2078	7	"	" 15	Rendezvous with GT-VII, 125* Side view
18	S65-63118	2079	7	"	" 15	Rendezvous with GT-VII, 90* Side view
19	S65-63119	2080	7	"	" 15	Rendezvous with GT-VII, 120* Side view
20	S65-63120	2081	7	"	" 15	Rendezvous with GT-VII, 100* Side view
21	S65-63121	2082	7	"	" 15	Rendezvous with GT-VII, 70* Side view
22	S65-63122	2083	7	"	" 15	Rendezvous with GT-VII, 37* Side view
23	S65-63123	2084	7	"	" 15	Rendezvous with GT-VII, 45* Side view
24	S65-63124	2085	7	End	" 15	Rendezvous with GT-VII, 47* Side view
25	S65-63125	2086	7	of	" 15	Rendezvous with GT-VII, 50* Side view
26	S65-63126	2087	7	Sequence	" 15	Rendezvous with GT-VII, 75* Nose view, stereo with #27
27	S65-63127	2088	7	10:30	" 15	Rendezvous with GT-VII, 75* Nose view, stereo with #26
28	S65-63128	2089	9	13:31	" 16	India-Nepal, Mahabharat range, Ganges Plain, Ghaghara River, City of Gorakhpur
29	S65-63129	2090	-	-	-	Urine drops in sunlight
30	S65-63130	2091	13	19:40	Dec. 16	Ras Hafun, Somali Republic, looking Northwest
31	S65-63131	2092	13	19:40	" 16	Ras Hafun, Somali Republic, looking Northwest
32	S65-63132	2093	13	19:40	" 16	Ras Hafun, Somali Republic, looking Northwest
33	S65-63133	2094	13	19:41	" 16	Somali Republic, Wadi Giaz, Wadi Tog, looking Northwest
34	S65-63134	2095	13	19:49	" 16	Ocean, clouds, small island on edge, probably one of Chagos Island, Indian Ocean
35	S65-63135	2096	13	20:02	" 16	Western Australia, Lake McLeod, looking East
36	S65-63136	2097	13	20:03	" 16	Western Australia, Shark Bay, Denham Sound, Carnarvon Tracking Station
37	S65-63137	2098	13	20:03	" 16	Western Australia, looking Eastward, along Tropic of Capricorn
38	S65-63138	2099	14	20:56	" 16	Cumulus clouds over western Atlantic
39	S65-63139	2100	14	20:56	" 16	Cumulus clouds over western Atlantic
40	S65-63140	2101	14	20:56	" 16	Cumulus clouds over western Atlantic

FRAME NO.	NASA/HSC COLOR NO.	NASA/HQ Color No.	ORBIT NO.	G.E.T. TIME	DATE	LOCATION AND IDENTIFICATION
41	S65-63141	65-H-2102	14	21:00	Dec 16	Large disturbance over central Atlantic, 1000 Miles West of Canary Islands
42	S65-63142	2103	14	21:00	" 16	Large disturbance over central Atlantic, 1000 miles West of Canary Islands
43	S65-63143	2104	14	21:01	" 16	Large disturbance over central Atlantic, 1000 miles West of Canary Islands
44	S65-63144	2105	14	21:01	" 16	Large disturbance over central Atlantic, 1000 miles West of Canary Islands
45	S65-63145	2106	14	21:01	" 16	Large disturbance over central Atlantic, 1000 miles West of Canary Islands
46	S65-63146	2107	14	21:05	" 16	Cellular cloud formations West of Canary Islands
47	S65-63147	2108	14	21:05	" 16	Cellular cloud formations West of Canary Islands
48	S65-63148	2109	14	21:06	" 16	Eddies in stratocumulus near Canary Islands
49	S65-63149	2110	14	21:07	" 16	Eddies in stratocumulus near Tenerife and Gomera Islands
50	S65-63150	2111	14	21:07	" 16	Eddies in stratocumulus near Tenerife and Grand Canaria Islands
51	S65-63151	2112	14	21:07	" 16	Eddies in stratocumulus near Tenerife and Grand Canaria Islands
52	S65-63152	2113	14	21:08	" 16	Eddies in stratocumulus near Grand Canaria Island
53	S65-63153	2114	14	21:10	" 16	Morocco, Algeria, Mauritania, Spanish Sahara, Hamada Du Dra Area
54	S65-63154	2115	14	21:11	" 16	Algeria, Mali, Erg Chech
55	S65-63155	2116	14	21:11	" 16	Algeria, Mali, Erg Chech
56	S65-63156	2117	14	21:12	" 16	Algeria, Mali, Tanzrouft Desert of Sahara
57	S65-63157	2118	14	21:13	" 16	Algeria, Mali, Adar Des Ifuras Area
58	S65-63158	2119	14	21:14	" 16	Niger Republic, Air Au Azbine Uplift
59	S65-63159	2120	14	21:15	" 16	Chad, Sudan, Massif De Marfa Area
60	S65-63160	2121	14	21:16	" 16	Sudan, Darfur Province, Jabel Marra Area
61	S65-63161	2122	14	21:17	" 16	Sudan, Upper Nile Province, Large swamp area in White Nile
62	S65-63162	2123	14	21:18	" 16	Ethiopia; Lakes Zwai, Langana and Shala; Koka Dam South of Addis Ababa - partial frame

End of Magazine "B"

## MAGAZINE "C"

1	S65-63280	65-H-2124	14	21:35	Dec. 16	Clouds over Southeast Indian Ocean
2	S65-63279	2125	14	21:35	" 16	Clouds over Southeast Indian Ocean
3	S65-63278	2126	14	21:36	" 16	Clouds over Southeast Indian Ocean
4	S65-63277	2127	14	21:36	" 16	Clouds over Southeast Indian Ocean
5	S65-63276	2128	14	21:37	" 16	Clouds over Southeast Indian Ocean
6	S65-63275	2129	14	21:37	" 16	Clouds over Southeast Indian Ocean
7	S65-63274	2130	14	21:37	" 16	Clouds over Southeast Indian Ocean
8	S65-63273	2131	14	21:37	" 16	Clouds over Southeast Indian Ocean
9	S65-63272	2132	14	21:37	" 16	Clouds over Southeast Indian Ocean
10	S65-63271	2133	14	21:38	" 16	Clouds over Southeast Indian Ocean
11	S65-63270	2134	14	21:38	" 16	Clouds over Southeast Indian Ocean
12	S65-63269	2135	14	22:10	" 16	Sunset
13	S65-63268	2136	14	22:10	" 16	Sunset
14	S65-63267	2137	14	22:10	" 16	Sunset
15	S65-63266	2138	14	22:10	" 16	Sunset



## MAGAZINE "C" CONTINUED

FRAME NO.	NASA/MSC COLOR NO.	NASA/HQ Color No.	ORBIT NO.	G.E.T. TIME	DATE	LOCATION AND IDENTIFICATION
16	S65-63265	65-H-2139	14	22:10	Dec.16	Sunset
7	-	2140	14	-	" 16	Blank
-	S65-63264	2141	15	22:46	" 16	Lines of cumulus clouds Southwest of Canary Islands
18	S65-63263	2142	15	22:46	" 16	Lines of cumulus clouds Southwest of Canary Islands
19	S65-63262	2143	15	22:46	" 16	Lines of cumulus clouds Southwest of Canary Islands
20	S65-63261	2144	15	22:46	" 16	Lines of cumulus clouds Southwest of Canary Islands
21	S65-63260	2145	15	22:47	" 16	Lines of cumulus clouds Southwest of Canary Islands
22	S65-63259	2146	15	22:47	" 16	Lines of cumulus clouds Southwest of Canary Islands
23	S65-63258	2147	15	22:47	" 16	Lines of cumulus clouds Southwest of Canary Islands
24	S65-63257	2148	15	22:50	" 16	Spanish Sahara, Mauritania, Cap Blanc, Levrier Bay, Port Etienne looking West
25	S65-63256	2149	15	22:50	" 16	Spanish Sahara, Mauritania, Cap Blanc, Levrier Bay,
26	S65-63255	2150	15	22:50	" 16	Spanish Sahara, Mauritania, Cap Blanc, Levrier Bay
27	S65-63254	2151	15	22:51	" 16	Mauritania, Senegal, Senegal River, Dakar on point, Noaukehott, looking West
28	S65-63253	2152	15	22:51	" 16	Mauritania, Senegal, Gambia, Port Guinea, Guinea, Aourer Basin
29	S65-63252	2153	15	22:52	" 16	Mauritania, Senegal, Gambia, Port Guinea, Guinea, Aourer Basin
30	S65-63251	2154	15	22:52	" 16	Mauritania, Senegal, Gambia, Port Guinea, Guinea, Aourer Basin
31	S65-63250	2155	15	22:53	" 16	Mauritania, Senegal, Gambia, Portuguese Guinea looking West
32	S65-63249	2156	15	22:53	" 16	Mauritania, Senegal, Mali, Aouker Basin
33	S65-63248	2157	15	22:54	" 16	Mauritania, Senegal, Spanish Sahara, looking Northwest
34	S65-63247	2158	15	22:55	" 16	Mali, Mauritania, Niger River Marshes, Town of Timbucktu looking Northwest
35	S65-63246	2159	15	22:55	" 16	Mali, Mauritania, Niger River Marshes, Town of Timbucktu looking Northwest
36	S65-63245	2160	15	22:56	" 16	Mali, Mauritania, Niger River Marshes, Town of Timbucktu
37	S65-63244	2161	15	22:57	" 16	Mali, Upper Volta, Niger, Niger River Basin, Sahara Desert looking Northwest
38	S65-63243	2162	15	22:58	" 16	Cirrus puffs over Nigeria, Niger, Mali, Upper Volta, Dahomey, looking Northwest
39	S65-63242	2163	15	22:58	" 16	Cirrus puffs over Nigeria, Niger, Mali, Upper Volta, Dahomey, looking Northwest
40	S65-63241	2164	15	22:59	" 16	Cirrus Puffs over Nigeria, Niger, Mali, Upper Volta, Dahomey, looking Northwest
41	S65-63240	2165	15	22:59	" 16	Cirrus puffs over Nigeria, Niger, Mali, Upper Volta, Dahomey, looking Northwest
42	S65-63239	2166	15	22:59	" 16	Cirrus puffs over Nigeria, Niger, Mali, Upper Volta, Dahomey, looking Northwest
43	S65-63238	2167	15	23:00	" 16	Cirrus puffs over Nigeria, Niger, Mali, Upper Volta, Dahomey, looking Northwest
44	S65-63237	2168	15	23:01	" 16	Sky, horizon only
45	S65-63236	2169	15	23:02	" 16	Heavy haze, cellular cumulus clouds over Cameroun, Central African Republic
46	S65-63235	2170	15	23:02	" 16	Heavy haze, Cellular cumulus clouds over Cameroun, Central African Republic
47	S65-63234	2171	15	23:04	" 16	Very heavy haze, clouds over Republic of the Congo
48	S65-63233	2172	15	23:07	" 16	Uganda, Lake Victoria, Sese Islands, Cumulus Clouds
49	S65-63232	2173	15	23:08	" 16	Tanzania, Lake Victoria, Speke Gulf, cumulus clouds
50	S65-63231	2174	15	23:08	" 16	Tanzania, Lake Victoria, Speke Gulf, cumulus clouds
51	S65-63230	2175	15	23:10	" 16	Tanzania Coast, Islands of Zanzibar and Pemba, cumulus clouds,
52	S65-63229	2176	15	23:10	" 16	Tanzania Coast, South of Dar Es Salaam, Clouds
53	S65-63228	2177	15	23:10	" 16	Tanzania, Mozambique Coast, Indian Ocean, Clouds
54	S65-63227	2178	15	23:11	" 16	Comoro Islands (Ile Moheli, Ile d'Anjouan, Gran Comore Island)
55	S65-63226	2179	15	23:11	" 16	Comoro Islands (Ile Moheli, Ile d'Anjouan, Gran Comore I, Ile d'Mayotte)
56	S65-63225	2180	15	23:12	" 16	Comoro Islands (Ile d'Mayotte)

End of Magazine "C"

MAGAZINE "D"

FRAME NO.	NASA/MSC COLOR NO.	NASA/HQ Color No.	ORBIT NO.	G.E.T. TIME	DATE	LOCATION AND IDENTIFICATION
1	S65-63281	65-H-2181	15	23:13	Dec. 16	Northeast of Madagascar Island, Malagasy Republic in background
2	S65-63282	2182	15	23:13	" 16	Northeast of Madagascar Island, Malagasy Republic in background
3	S65-63283	2183	15	23:13	" 16	Mascarene Islands, (La Reunion) Madagascar in background
4	S65-63284	2184	15	23:13	" 16	Mascarene Islands, (La Reunion and Mauritius)
5	S65-63285	2185	15	23:14	" 16	Mascarene Islands, (La Reunion and Mauritius)
6	S65-63286	2186	15	24:09	" 16	Cumulus puffs over Gulf of Mexico
7	S65-63287	2187	15	24:09	" 16	Cumulus puffs over Gulf of Mexico
8	S65-63288	2188	15	24:10	" 16	Cumulus puffs over Gulf of Mexico
9	S65-63289	2190	15	24:10	" 16	Cumulus puffs over Gulf of Mexico
10	S65-63290	2191	16	-	" 16	Nose of GT-VI Showing insulation extrusion on thruster ports
11	S65-63291	2192	16	-	" 16	Nose of GT-VI showing insulation extrusion on thruster ports
12	S65-63292	2193	16	-	" 16	Nose of GT-VI (out of focus)

End of Magazine "D"

6. GEMINI VII  
Ref. 5

GERINI VII ( December 4 - 18, 1965 )

70MM PHOTOGRAPHY IDENTIFICATION

Camera: Hasselblad, Model 500-C (NASA Modified)  
 Lens : Zeiss, Planar, 80MM Focal Length, F: 2.8  
 Zeiss, Sonnar, 250MM Focal Length, F: 4.5  
 Film : Eastman Kodak, Ektachrome, MS (S.O. 217) Rolls 13, 17, 22, 23, 24, & 25  
 Eastman Kodak, Ektachrome, MS (S.O. 217) Roll 30 (Exposed for ASA-500)  
 Eastman Kodak, Ektachrome, Infrared Type-8443, Roll 26  
 Eastman Kodak, Pan-Atomic-X Type 3400, Roll F  
 Eastman Kodak, Type 2475, Roll J

Liftoff: 19:30 Zulu (G.E.T.=00:00)  
 Splashdown: 14:05 Zulu  
 Duration: 330 hr, 35 min, 1 sec.

Photography By: Lt. Col. Frank Borman  
 Cdr. James A. Lovell, Jr.  
 Identification By: R. W. Underwood, (NASA/MSC/BL)

Date: June 15, 1966 (2nd Rev.)

Altitudes in Nautical Miles: Revs. 3 to 44 (120 to 174); Revs. 45 to 75 (128 to 171);  
 Revs. 76 to Retro (161)

NOTES: (1) Rendezvous distances from camera to adapter equipment section of other spacecraft. Total length of spacecraft = 18.3 ft. (5.6 meters)  
 Distance from camera to nose of taking spacecraft = 8.3 ft. (2.5 meters)  
 (2) A deposit was affixed to spacecraft windows at time of staging. This deposit causes a degradation of image when exposed through some portions of the window. Photos marked with asterisk (\*) are partially degraded. Photos marked with two asterisks (\*\*) are sufficiently degraded to be considered useless or nearly so.

MAGAZINE NO. 22 (A)

FRAME NO.	NASA/MSC COLOR NO.	NASA/MSC B & W NO.	ORBIT NO.	G.E.T. TIME	DATE (MSC)	LOCATION AND IDENTIFICATION
1	S65-63832	S65-64949	11	16:33	Dec. 5	Saudi Arabia, Jabal Toway, ArRiyad (capital) looking Southwest
2	S65-63831	S65-64950	12	17:59	"	Algeria, Irg Iguidi, Sand Dunes, 250MM lens
3	S65-63830	S65-64951	13	19:35	"	Algeria, South of Colomb Bechar, after a rain, lakes are usually dry, 250MM lens
4	S65-63829	S65-64952	13	19:35	"	Algeria, South of Ft. Flatters, Tifernine Dunes, 1000 ft high, 250MM lens
5	S65-63828	S65-64953	13	19:35	"	Algeria, Lvbja, Sand Dunes
6	S65-63827	S65-64954	13	20:30	"	Auamotu Archipelago, Atolls of Rangiroa, Arutua, Apataki, Toau, Kaukura Fakarua
7	S65-63826	S65-64955	14	20:49	"	Cuba Oriente Province, Guantanamo Bay, Santiago
8	S65-63825	S65-64956	15	22:24	"	Bahama Islands, Andros Island, New Providence Island, Berry Islands
9	S65-63824	S65-64957	15	23:58	"	Florida-Georgia coastal areas, Jacksonville, St. John's River
10	S65-63823	S65-64958	16	25:24	"	Mexico, Baja California-Sonora, California-Arizona looking ENE
11	S65-63822	S65-64959	16	25:26	"	Mexico, Baja California, Punta Eugenia, looking SE
12	S65-63821	S65-64960	17	26:11	"	New Guinea, East end, Owen-Stanley Range, Port Moresby, looking NW
13	S65-63820	S65-64961	17	27:00	"	Mexico, Baja California, California-Arizona, Moon near Full
14	S65-63819	S65-64962	19	29:20	"	Double exposure over Mexico
15	S65-63818	S65-64963	19	29:34	"	Strato Cumulus cells over Indian Ocean
16	S65-63817	S65-64964	19	29:34	"	Strato Cumulus cells over Indian Ocean
17	S65-63816	S65-64965	19	30:00	"	Clouds, Moon near Full
18	S65-63815	S65-64966	29	45:30	Dec. 6	*Mexico; San Luis Potosi, Aguas Calientes, Zacatecas, Jalisco States
19	S65-63814	S65-64967	29	45:30	"	*Mexico; San Luis Potosi, Aguas Calientes, Zacatecas, Jalisco States
20	S65-63813	S65-64968	29	45:30	"	*Mexico; San Luis Potosi, Aguas Calientes, Zacatecas, Jalisco States
21	S65-63812	S65-64969	29	45:31	"	*Mexico; Nuevo Leon, San Luis Potosi States, Matehuala
22	S65-63811	S65-64970	29	45:31	"	*Mexico; Nuevo Leon, Tamaulipas States, Ciudad Victoria

~~090353~~

NR-50-00107

## Magazine No. 22 (A) Continued

FRAME N NO.	NASA/MSC COLOR NO.	NASA/MSC B & W NO.	ORBIT NO.	G.E.T. TIME	DATE (MSC)	LOCATION AND IDENTIFICATION
23	S65-63810	S65-64971	29	45:31	Dec. 6	Mexico, Tamaulipas State, Rio Soto La Marina, Guld of Mexico
24	S65-63809	S65-64972	30	46:20	"	Florida, east coast, St. Augustine to Ft. Pierce, Kennedy Space Center
25	S65-63808	S65-64973	30	46:20	"	Florida, east coast, Titusville to North of Daytona Beach, 250MM lens
26	S65-63807	S65-64974	30	46:20	"	Florida, east coast, Kennedy Space Center, Merritt Island Complex, 250mm lens
27	S65-63806	S65-64975	30	46:20	"	Florida, Kennedy Space Center, Merritt Island to Daytona Beach, 250MM lens
28	S65-63805	S65-64976	30	46:20	"	Moon rise, out of focus
29	S65-63804	S65-64977	30	47:50	"	Texas, Gulf Coast, Galveston Bay to Central Louisiana, very hazy
30	S65-63803	S65-64978	30	47:50	"	Texas, Gulf Coast, Galveston Bay to Central Louisiana, very hazy
31	S65-63802	S65-64979	30	47:50	"	Houston, Beaumont, Jetero Airport, looking east, very hazy
32	S65-63801	S65-64980	30	47:50	"	East Texas, West Louisiana, Sam Rayburn Res. looking NE, very hazy
33	S65-63800	S65-64981	31	47:53	"	Ocean off Florida
34	S65-63799	S65-64982	31	47:53	"	Ocean off Florida
35	S65-63798	S65-64983	31	47:53	"	Polaris, underwater launch, missile and trail, off Florida
36	S65-63797	S65-64984	31	47:53	"	Polaris, underwater launch, missile and trail, off Florida
37	S65-63796	S65-64985	31	47:53	"	Polaris, underwater launch, missile and trail, off Florida
38	S65-63795	S65-64986	31	-	"	*Clouds, underexposed
39	S65-63794	S65-64987	31	47:54	"	*Bahama Islands, South End Andros Island
40	S65-63793	S65-64988	31	47:54	"	*Bahama Islands, Great Exuma Island, Long Island
41	S65-63792	S65-64989	31	47:54	"	*Bahama Islands, Crooked Island, Acklins Island
42	S65-63791	S65-64990	-	-	"	Double exposure, Limb, plus sunset or sunrise
43	S65-63790	S65-64991	31	49:24	"	Mexico, Tamaulipas, Vera Cruz States, Gulf Coast, Cape Rojo
44	S65-63789	S65-64992	-	-	"	Limb at Sunset
45	S65-63788	S65-64993	42	66:15	Dec. 7.	Sunset, note cloud layers in red
46	S65-63787	S65-64994	42	66:25	"	Algeria, South of Colomb Bechar, rain runoff on desert floor
47	S65-63786	S65-64995	42	66:25	"	Algeria, South of Colomb Bechar, rain runoff on desert floor
48	S65-63785	S65-64996	42	66:26	"	Algeria, between Hoggar Uplift and Plateau Tadameit
49	S65-63784	S65-64997	42	68:26	"	Algeria, between Hoggar Uplift and Plateau Tadameit
50	S65-63783	S65-64998	-	-	"	Underexposed
51	S65-63782	S65-64999	44	69:52	"	Pacific Atoll under clouds
52	S65-63781	S65-65000	-	-	"	Partial Frame

End of Roll

## MAGAZINE 17 (M)

1	S65-63833	S65-65337	47	74:52	Dec. 7	Clouds, Tropical storm off Baja California
2	S65-63834	S65-65338	47	74:53	"	Clouds, Tropical storm off Baja California
3	S65-63835	S65-65339	47	74:53	"	Clouds, Tropical storm off Baja California
4	S65-63836	S65-65340	47	74:54	"	*Mexico, Sonora, Chihuahua States, Sierra Madre Mts.
5	S65-63837	S65-65341	47	74:54	"	*Mexico, Chihuahua
6	S65-63838	S65-65342	47	74:54	"	*Mexico, Chihuahua
7	S65-63839	S65-65343	47	74:55	"	*Mexico, Chihuahua
8	S65-63840	S65-65344	47	74:55	"	*Mexico, Chihuahua

FRAME NO.	NASA/MSC COLOR NO.	NASA/MSC B & W NO.	ORBIT NO.	G.E.T. TIME	DATE (MSC)	LOCATION AND IDENTIFICATION
9	S65-63841	S65-65345	47	74:55	Dec. 7	*Mexico, Chihuahua
10	S65-63842	S65-65346	47	74:55	"	*Mexico, Chihuahua
11	S65-63843	S65-65347	47	74:56	"	*Mexico, Chihuahua
12	S65-63844	S65-65348	47	74:56	"	*Mexico, Chihuahua, Coahuila States
13	S65-63845	S65-65349	-	-	"	Blank
14	S65-63846	S65-65350	48	75:53	"	Moon full
15	S65-63847	S65-65351	48	75:53	"	Moon full (warped by atmosphere)
16	-	-	-	-	"	Blank
17	-	-	-	-	"	Blank
18	S65-63848	S65-65352	56	88:25	Dec. 8	*Libya, Gulf of Sirte, looking NE
19	S65-63849	S65-65353	56	88:25	"	Nile Delta, Sinai, Israel, Syria, Jordan, Lebanon, Turkey, Cyprus, Iraq
20	S65-63850	S65-65354	56	88:25	"	*Israel, Jordan, Dead Sea, Lebanon, Egypt, looking North
21	S65-63851	S65-65355	56	88:31	"	Ras Al' Madd, Muscat and Oman
22	S65-63852	S65-65356	56	88:36	"	Full moon, Cirrus clouds
23	S65-63853	S65-65357	56	88:41	"	Clouds over Bay of Bengal, unique pattern
24	S65-63854	S65-65358	56	89:26	"	Clouds with unique holes, over Lesser Antilles, North of Caracas
25	S65-63855	S65-65359	57	89:28	"	Leeward Islands, Guadelupe, Antigua, Maria Galante, Montserrat
26	S65-63856	S65-65360	57	89:53	"	Sand, Lava or Basalt rock in Southeast Libya
27	S65-63857	S65-65361	58	91:10	"	Bahama Islands, Crooked Island, Long Island, Mayaguana Island
28	S65-63858	S65-65362	58	91:10	"	Bahama Islands, Mayaguana Island, Plana Cays
29	S65-63859	S65-65363	-	-	"	Blank
30	S65-63860	S65-65364	58	92:44	"	** Florida Keys
31	S65-63861	S65-65365	58	92:44	"	** Florida Keys
32	S65-63862	S65-65366	58	92:44	"	** Florida Keys
33	S65-63863	S65-65367	58	92:44	"	** Florida Keys
34	S65-63864	S65-65368	59	92:45	"	** Edge of Great Bahama Bank, Florida Straits
35	S65-63865	S65-65369	59	92:45	"	** Edge of Great Bahama Bank, Florida Straits
36	S65-63866	S65-65370	59	92:45	"	** Andros Island Area, Bahamas
37	S65-63867	S65-65371	59	92:45	"	** Andros Island Area, Bahamas
38	S65-63868	S65-65372	59	92:52	"	Clouds, Mid Atlantic Area
39	S65-63869	S65-65373	59	92:53	"	* Clouds, Mid Atlantic Area
40	S65-63870	S65-65374	61	97:16	"	*Guadalupe Island off Baja California, Mexico, Pacific Ocean
41	S65-63871	S65-65375	61	97:16	"	*Mexico, Baja California, Cedros Island, Punta Eugenia
42	S65-63872	S65-65376	63	99:59	"	Moon clouds over Western Pacific
43	S65-63873	S65-65377	63	99:59	"	Moon clouds over Western Pacific
44	S65-63874	S65-65378	72	114:50	Dec. 9	Blank
45	S65-63875	S65-65379	73	115:23	"	*Canary Islands, Tenerife Island
46	S65-63876	S65-65380	73	115:23	"	*Canary Islands, Tenerife Island
47	S65-63877	S65-65381	73	115:23	"	*Canary Islands, Tenerife Island
48	S65-63878	S65-65382	74	116:58	"	**Mauritania, Richat Crater
49	S65-63879	S65-65383	74	117:00	"	Clouds, Central Africa
50	S65-63880	S65-65384	76	121:15	"	Clouds, over Eastern Pacific off Mexico
51	S65-63881	S65-65385	76	121:15	"	Clouds, over Eastern Pacific off Mexico

FRAME NO.	NASA/MSC COLOR NO.	NASA/MSC B & W NO.	ORBIT NO.	G.E.T. TIME	DATE (MSC)	LOCATION AND IDENTIFICATION
52	S65-63882	S65-65386	76	121:16	Dec. 9	Clouds, over Eastern Pacific off Mexico
53	S65-63883	S65-65387	76	121:16	"	Clouds, over Eastern Pacific off Mexico
54	S65-63884	S65-65388	76	121:17	"	Clouds, over Eastern Pacific off Mexico
55	S65-63885	S65-65389	76	121:19	"	Clouds, over Mexico, Sonora
56	S65-63886	S65-65390	76	121:20	"	Mexico, Durango, Chihuahua States, Torreon-Camargo Area
57	S65-63887	S65-65391	76	121:20	"	Mexico, Durango, Coahuila States, Torreon Area
58	S65-63888	S65-65392	76	121:21	"	Coahuila, Torreon-Salttillo Area
59	S65-63889	S65-65393	76	121:21	"	Coahuila, Nuevo Leon States, Salttillo-Monterrey Area

End of Roll

## MAGAZINE NO. 24 (C)

1	S65-63722	S65-65120	77	122:21	Dec. 9	*Clouds at Twilight
2	S65-63723	S65-65121	77	122:22	"	*Clouds
3	S65-63724	S65-65122	77	122:22	"	*Clouds western Pacific
4	S65-63725	S65-65123	77	122:25	"	Clouds Western Pacific
5	S65-63726	S65-65124	77	122:32	"	Hawaiian Islands, Kure I, Midway I, Pearl-Hermes Reefs
6	S65-63727	S65-65125	77	122:32	"	Hawaiian Islands, Pearl-Hermes Reefs
7	S65-63728	S65-65126	79	126:55	"	China, Kwangtung Province, Hong Kong, looking NW
8	S65-63729	S65-65127	79	126:55	"	China, Kwangtung Province, Hong Kong, looking NW
9	S65-63730	S65-65128	79	-	-	Darin Jara Islands
10	S65-63731	S65-65129	88	139:31	Dec. 10	*Lake Chad, Nigeria, Niger, Chad
11	S65-63732	S65-65130	88	139:31	"	*Lake Chad, Nigeria, Niger, Chad
12	S65-63733	S65-65131	88	139:31	"	*Lake Chad, Nigeria, Niger, Chad
13	S65-63734	S65-65132	89	141:00	"	**Mauritania, Spanish Morocco looking NE
14	S65-63735	S65-65133	89	141:00	"	**Mauritania, Spanish Morocco looking N
15	S65-63736	S65-65134	-	-	-	Clouds
16	S65-63737	S65-65135	92	146:25	"	**Mexico, Chihuahua
17	S65-63738	S65-65136	92	146:25	"	**Mexico, Chihuahua
18	S65-63739	S65-65137	92	146:26	"	**Mexico, Durango, Chihuahua
19	S65-63740	S65-65138	92	146:26	"	*Mexico, Durango, Coahuila States, Torreon Area
20	S65-63741	S65-65139	92	146:30	"	Mexico, Quintana Roo, Yucatan Peninsula, Br. Honduras
21	S65-63742	S65-65140	92	146:30	"	Mexico, Quintana Roo, Yucatan Peninsula,
22	-	-	-	-	-	Blank
23	S65-63743	S65-65141	100	159:10	Dec. 11	India, Madras State, Adam's Bridge, Ceylon
24	S65-63744	S65-65142	100	159:10	"	India, Madras State, Ceylon, Palk Straits
25	S65-63745	S65-65143	100	159:10	"	India, Madras State, Ceylon, Adam's Bridge, Palk Straits
26	S65-63746	S65-65144	101	160:30	"	Libya, Chad, Niger, Tibesti Uplift looking SE
27	S65-63747	S65-65145	101	160:30	"	*Libya, Chad, Niger, Tibesti Uplift
28	S65-63748	S65-65146	101	160:32	"	*Northwest Sudan
29	S65-63749	S65-65147	101	160:32	"	*Northwest Sudan - unique clouds

FRAME NO.	NASA/MSC COLOR NO.	NASA/MSC B & W NO.	ORBIT NO.	G.E.T. TIME	DATE (MSC)	LOCATION AND IDENTIFICATION
30	S65-63750	S65-65148	101	160:37	Dec. 11	Ras Azir, Somali Republic Adu Al Kuri Island
31	S65-63751	S65-65149	102	162:19	"	Clouds, Cumulus Towers lit by sunlight
32	S65-63752	S65-65150	103	163:22	"	*Florida Keys
33	S65-63753	S65-65151	103	163:22	"	Bahama Islands, Andros Island, New Providence Island, Abaco Island
34	S65-63754	S65-65152	104	165:05	"	Senegal, Gambia, Cap Vert, Dakar
35	S65-63755	S65-65153	106	167:58	"	*Venezuela Coast, Peninsula de Araya, Isla de Margarita
36	S65-63756	S65-65154	107	169:34	"	Mexico, Federal District, Morelos, Puebla, Tlaxcala, Guerrero
37	S65-63757	S65-65155	107	169:34	"	Mexico, Federal District, Morelos, Puebla, Tlaxcala, Guerrero, Oaxaca, Vera Cruz
38	S65-63758	S65-65156	107	169:34	"	Mexico, Puebla, Vera Cruz, Tlaxcala, Oaxaca
39	S65-63759	S65-65157	107	169:35	"	Mexico, Vera Cruz, Oaxaca
40	S65-63760	S65-65158	107	169:35	"	Mexico, Vera Cruz, Oaxaca, Golfo and Istmo de Tenuantepec
41	S65-63761	S65-65159	108	171:07	"	*Clouds
42	S65-63762	S65-65160				*Clouds Jungle
43	S65-63763	S65-65161				*Clouds Coastline
44	S65-63764	S65-65162				*Clouds Coastline
45	S65-63765	S65-65163	117	186:15	Dec. 12	Ras Azir, Somali Republic looking East
46	S65-63766	S65-65164	117	186:15	"	Ras Azir, Somali Republic looking East
47	S65-63767	S65-65165	117	186:16	"	Ras Azir, Gulf of Aden, Coast of Aden
48	S65-63768	S65-65166	117		"	*Clouds
49	S65-63769	S65-65167	118	187:28	"	*Florida, GT-VI Abort, Kennedy Space Center
50	S65-63770	S65-65168	118	187:28	"	*Florida, GT-VI Abort, Kennedy Space Center
51	S65-63771	S65-65169	118	187:28	"	*Florida, GT-VI Abort, Kennedy Space Center
52	S65-63772	S65-65170	118	187:28	"	*Florida, GT-VI Abort, Kennedy Space Center
53	S65-63773	S65-65171	119	188:46	"	Clouds over Ocean
54	S65-63774	S65-65172	119	188:46	"	Clouds over Ocean
55	S65-63775	S65-65173	119	188:46	"	Clouds over Ocean
56	S65-63776	S65-65174	119	189:00	"	Clouds Contrails
57	S65-63777	S65-65175	119	189:13	"	Clouds
58	S65-63778	S65-65176	119	-	"	*Clouds
59	S65-63779	S65-65177	119	-	"	Clouds
60	S65-63780	S65-65178	123	195:30	"	Wave Cloud over Andes, Bolivia looking SW to Chile
61	S65-63781	S -	-	-	"	Partial Frame

End of Roll

## MAGAZINE 25 (D)

1	S65-63991	S65-65061	121	192:13	Dec. 12	*Honduras, El Salvador, Nicaragua, Caribbean Foreground, Pacific in Background
2	S65-63992	S65-65062	121	192:16	"	Colombia, Peninsula de la Guajira
3	S65-63993	S65-65063	121	192:16	"	Venezuela, Peninsula de Paraguana, Colombia, Pen. de Guatira



## Magazine 25 (0) Continued

<u>FRAHE</u> <u>NO.</u>	<u>NASA/MSC</u> <u>COLOR NO.</u>	<u>NASA/MSC</u> <u>B &amp; W NO.</u>	<u>ORBIT</u> <u>NO.</u>	<u>G.E.T.</u> <u>TIME</u>	<u>DATE</u> <u>(MSC)</u>	<u>LOCAL AND IDENTIFICATION</u>
4	S65-63994	S65-65064	121	192:17	Dec. 12	Venezuela, Apure and Barinas Depts.
5	S65-63995	S65-65065	121	192:17	"	Venezuela, Lago de Valencia, Caracas
6	S65-63996	S65-65066	121	192:17	"	Clouds off coast of Guianas
7	S65-63997	S65-65067	121	192:20	"	Brazil, Mouth of Amazon looking South
8	S65-63998	S65-65068	121	192:22	"	Brazil, mouth of Amazon, Baia de Marajo looking East
9	S65-63999	S65-65069	121	192:22	"	Brazil, mouth of Amazon, Baia de Marajo looking East
10	S65-64000	S65-65070	121	192:22	"	Brazil, mouth of Amazon,
11	S65-64001	S65-65071	121	192:22	"	Brazil, Mouth of Amazon, Baia de Marajo
12	S65-64002	S65-65072	121	192:22	"	Brazil, Baia de Marajo, Mouth of Amazon
13	S65-64003	S65-65073	121	192:23	"	Baia de Marajo, Brazil
14	S65-64004	S65-65074	121	192:25	"	Brazil, coast overexposed
15	S65-64005	S65-65075	130	208:42	Dec. 13	Red Sea, Saudi Arabia, Sudan, Ethiopia
16	S65-64006	S65-65076	130	208:42	"	Red Sea, Saudi Arabia, Sudan, Ethiopia, Egypt looking NW
17	S65-64007	S65-65077	130	208:43	"	Red Sea, Saudi Arabia, Yemen, Ethiopia
18	S65-64008	S65-65078	130	208:43	"	Yemen, Southwest corner of empty quarter
19	S65-64009	S65-65079	130	208:43	"	Aden Protectorate, Wadi Hadramawt, Hadramawt Plateau
20	S65-64010	S65-65080	130	208:44	"	Aden Protectorate, Wadi Hadramawt, Hadramawt Plateau
21	S65-64011	S65-65081	130	208:44	"	Aden Protectorate, Al Mukalla, Gulf of Aden, Hadramawt
22	S65-64012	S65-65082	130	208:44	"	Somali Republic, Ras Azir, Ras Hafun, looking SW
23	S65-64013	S65-65083	130	208:45	"	Socotra Island
24	S65-64014	S65-65084	131	210:12	"	Ethiopia, Lake Tana, Blue Nile
25	S65-64015	S65-65085	131	210:14	"	Ethiopia, Harar, Bale Province
26	S65-64016	S65-65086	131	210:14	"	Ethiopia, Harar, Bale Province
27	S65-64017	S65-65087	131	210:14	"	Ethiopia, Harar, Bale Province
28	S65-64018	S65-65088	131	210:14	"	Ethiopia, Harar Province
29	S65-64019	S65-65089	131	210:15	"	Ethiopia, Harar Province, Somali Republic
30	S65-64020	S65-65090	131	210:15	"	Somali Republic
31	S65-64021	S65-65091	131	210:15	"	Somali Republic coast line Northeast of Mogadishu
32	S65-64022	S65-65092	132	211:40	"	Sudan Upper white Nile near Juba
33	S65-64023	S65-65093	132	211:43	"	East Coast of Africa underexposed
34	S65-64024	S65-65094	135	214:21	"	Florida Keys, Cape Sable, underwater detail clearly shown
35	S65-64025	S65-65095	135	214:22	"	Cuba, Gamaguey Province, Great Bahama Bank
36	S65-64026	S65-65096	135	214:23	"	Cuba, Gamaguey Province, South Coast, Jardines de la Reina Island
37	S65-64027	S65-65097	135	214:24	"	Hispaniola, Haiti End
38	S65-64028	S65-65098	135	214:24	"	Hispaniola, Haiti and Dominican Republic
39	S65-64029	S65-65099	135	214:27	"	Coast of British Guiana looking South
40	S65-64030	S65-65100	148	235:52	Dec. 14	*Cape Verde Islands, Sao Nicolau, Sao Vincente, Santo Antao
41	S65-64031	S65-65101	148	235:52	"	*Cape Verde Islands, underexposed
42	S65-64032	S65-65102	161	256:48	"	*Mauritania, Richat Crater
43	S65-64033	S65-65103	-	-	"	** Clouds
44	S65-64034	S65-65104	162	258:05	"	* Clouds, Kennedy Space Center, GT-VI Launch, Contrails, smoke puff at Pad 19
45	S65-64035	S65-65105	-	-	"	**Clouds

## Magazine 25 (D) Continued

FRAME NO.	NASA/MSC COLOR NO.	NASA/MSC B & W NO.	ORBIT NO.	G.E.T. TIME	DATE (MSC)	LOCATION AND IDENTIFICATION
46	"	"	"	"	Dec. 14	Blank
47	"	"	"	"	"	Blank
48	"	"	"	"	"	Blank
49	S65-64036	S65-65106	166	266:10	Dec. 15	Rendezvous GT-VI underexposed 45 ft.
50	S65-64037	S65-65107	166	Sequence	"	Rendezvous GT-VI Nose view 45 ft.
51	S65-64038	S65-65108	166	Follows	"	Rendezvous GT-VI nose view 48 ft.
52	S65-64039	S65-65109	166	"	"	Rendezvous GT-VI nose view (Beat Army Sign) 38 ft.
53	S65-64040	S65-65110	166	"	"	Rendezvous GT-VI nose view (Beat Army Sign) 38 ft.
54	S65-64041	S65-65111	166	"	"	Rendezvous GT-VI nose view (55 ft.)
55	S65-64042	S65-65112	166	"	"	Rendezvous GT-VI nose view 45 ft.
56	S65-64043	S65-65113	166	"	"	Rendezvous GT-VI nose view 45 ft.
57	S65-64044	S65-65114	166	"	"	Rendezvous GT-VI nose view 45 ft.
58	S65-64045	S65-65115	166	"	"	Rendezvous GT-VI nose view 40 ft.
59	S65-64046	S65-65116	166	"	"	Rendezvous GT-VI nose view 35 ft.
60	S65-64047	S65-65117	166	"	"	Rendezvous GT-VI nose view 33 ft.
61	S65-64048	S65-65118	166	"	"	Rendezvous GT-VI Oblique view 60 ft.
62	S65-64049	S65-65119	166	"	"	Rendezvous GT-VI Oblique view 60 ft.

End of roll

## MAGAZINE 13 (K)

1	"	"	166		Dec. 15	Blank
2	S65-63890	S65-65296	166		"	**Rendezvous GT-VI, Nose view, 100 ft.
3	S65-63891	S65-65297	166		"	**Rendezvous GT-VI, Nose view, 130 ft.
4	S65-63892	S65-65298	166		"	**Rendezvous GT-VI, Nose view, 145 ft.
5	S65-63893	S65-65299	166		"	**Rendezvous GT-VI, Oblique nose view, 70 ft.
6	S65-63894	S65-65300	166		"	Rendezvous GT-VI, Oblique nose view 43 ft.
7	S65-63895	S65-65301	166		"	Rendezvous GT-VI, Oblique nose view, 40 ft.
8	S65-63896	S65-65302	166		"	**Rendezvous GT-VI, Oblique nose view, 40 ft.
9	S65-63897	S65-65303	166		"	Rendezvous GT-VI, Nose view, 58 ft.
10	S65-63898	S65-65304	166		"	Rendezvous GT-VI nose view, 43 ft.
11	S65-63899	S65-65305	166		"	Rendezvous GT-VI, nose view, 43 ft.
12	S65-63900	S65-65306	166		"	Rendezvous GT-VI, nose view, 40 ft.
13	S65-63901	S65-65307	166		"	Rendezvous GT-VI, nose view, 32 ft.
14	S65-63902	S65-65308	166		"	Rendezvous GT-VI, underexposed
15	S65-63903	S65-65309	166		"	Rendezvous GT-VI, underexposed
16	S65-63904	S65-65310	177	283:45	Dec. 16	**Double Exposure, clouds
17	S65-63905	S65-65311	178	284:05	"	Clouds reflections on window

## Magazine 13 (K) Continued

FRAME NO.	NASA/MSC COLOR NO.	NASA/MSC B & W NO.	ORBIT NO.	G.E.T. TIME	DATE (Msc)	LOCATION AND IDENTIFICATION
18	S65-63906	S65-65312	178	284:16	Dec. 16	**Southwest Africa, Rocky Point, Cape Fria
19	S65-63907	S65-65313	178	284:16	"	**Southwest Africa, Rocky Point, Cape Fria
20	S65-63908	S65-65314	178	284:16	"	**Southwest Africa, Kaoko Veld
21	S65-63909	S65-65315	178	284:17	"	**Southwest Africa, Kaoko Veld
22	S65-63910	S65-65316	178	284:17	"	**Southwest Africa, Kaoko Veld, Etosha Pan
23	S65-63911	S65-65317	178	284:17	"	**Southwest Africa, Etosha Pan
24	S65-63912	S65-65318	178	284:17	"	**Southwest Africa, Etosha Pan
25	S65-63913	S65-65319	178	284:17	"	**Southwest Africa, Etosha Pan
26	S65-63914	S65-65320	178	284:18	"	**Southwest Africa
27	S65-63915	S65-65321	178	284:18	"	**Southwest Africa
28	S65-63916	S65-65322	178	284:18	"	**Southwest Africa
29	S65-63917	S65-65323	178	284:18	"	**Southwest Africa, Bechuanaland
30	S65-63918	S65-65324	179	285:29	"	**Cuba, Pinar Del Rio La Habana Provinces
31	S65-63919	S65-65325	179	285:29	"	**Cuba, Las Villas Province looking Northeast
32	S65-63920	S65-65326	179	285:29	"	**Cuba, Camaguey Province looking Northeast
33	S65-63921	S65-65327	179	285:29	"	**Cuba, Camaguey, Oriente Province, looking Northeast
34	S65-63922	S65-65328	179	285:30	"	**Cuba, Oriente Province, looking Northeast
35	S65-63923	S65-65329	179	285:30	"	**Cuba, Oriente Province, looking Northeast
36	S65-63924	S65-65330	179	285:31	"	**Cuba, Oriente Province, looking North
37	S65-63925	S65-65331	179	285:31	"	**Hispaniola, Haiti End, Great Iguana Island
38	S65-63926	S65-65332	179	285:32	"	**Hispaniola, Dominican Republic End, looking Northeast
39	S65-63927	S65-65333	179	285:32	"	**Hispaniola, East End, Puerto Rico looking North
40	S65-63928	S65-65334	179	285:34	"	**British Guiana, Mouth of Essequibo River
41	S65-63929	S65-65335	179	285:35	"	**Clouds on Coast of Guianas
42	S65-63930	S65-65336	179	285:37	"	**South of Amazon, Brazil, looking Southwest

## MAGAZINE 23 (B)

1	S65-63990	S65-65001	190	303:26	Dec. 17	**Mauritania, Hali
2	S65-63989	S65-65002	190	303:26	"	**Mauritania, Hali
3	S65-63988	S65-65003	190	303:26	"	**Mali, Algeria
4	S65-63987	S65-65004	190	303:27	"	**Mali, Algeria
5	S65-63986	S65-65005	190	303:27	"	**Mali, Algeria
6	S65-63985	S65-65006	190	303:27	"	**Mali, Algeria
7	S65-63984	S65-65007	190	303:27	"	**Mali, Algeria
8	S65-63983	S65-65008	190	303:28	"	**Mali, Algeria
9	S65-63982	S65-65009	190	303:28	"	**Mali, Algeria
10	S65-63981	S65-65010	190	303:28	"	**Mali, Algeria
11	S65-63980	S65-65011	190	303:28	"	**Mali, Algeria

## Magazine 23 (B) Continued

FRAME NO.	NASA/HSC COLOR NO.	NASA/HSC B & W NO.	ORBIT NO.	G.E.T. TIME	DATE (HSC)	LOCATION AND IDENTIFICATION
12	S65-63979	S65-65012	190	303:29	Dec. 17	** Mali, Algeria
13	S65-63978	S65-65013	190	303:29	"	**Mali, Algeria
14	S65-63977	S65-65014	190	303:29	"	**Mali, Algeria
15	S65-63975	S65-65015	190	303:29	"	**Niger, Northwest corner
16	S65-63975	S65-65016	190	303:30	"	**Niger, Air Ou Azbine
17	S65-63974	S65-65017	190	303:30	"	**Niger, Air Ou Azbine
18	S65-63973	S65-65018	190	303:30	"	**Niger, Air Ou Azbine
19	S65-63972	S65-65019	190	303:30	"	**Niger, Northwest of Lake Chad
20	S65-63971	S65-65020	190	303:31	"	**Niger, Lake Chad
21	S65-63970	S65-65021	190	303:31	"	*Niger, Lake Chad
22	S65-63969	S65-65022	190	303:31	"	*Niger, Chad, Cameroun, Fort Lamy, Lake Chad
23	S65-63968	S65-65023	190	303:31	"	*Chad, Southeast of Lake Chad
24	S65-63967	S65-65024	190	303:32	"	*Chad
25	S65-63966	S65-65025	190	303:32	"	*Chad
26	S65-63965	S65-65026	190	303:32	"	*Chad
27	S65-63964	S65-65027	190	303:32	"	*Chad
28	S65-63963	S65-65028	190	303:33	"	*Chad, Sudan Darfur Province
29	S65-63962	S65-65029	190	303:33	"	Chad, Sudan Darfur Province
30	S65-63961	S65-65030	190	303:33	"	Sudan, Darfur, Bahr El Ghazal Provinces
31	S65-63960	S65-65031	190	303:33	"	Sudan, Darfur, Bahr El Ghazal Provinces
32	S65-63959	S65-65032	190	303:34	"	Sudan, Bahr El Ghazal Province
33	S65-63958	S65-65033	190	303:34	"	Sudan, Bahr El Ghazal, Upper Nile Provinces
34	S65-63957	S65-65034	190	303:34	"	Sudan, Bahr El Ghazal, Upper Nile Provinces
35	S65-63956	S65-65035	190	303:34	"	Sudan, Bahr El Ghazal, Upper Nile Provinces
36	S65-63955	S65-65036	190	303:35	"	Sudan, Bahr El Ghazal, Upper Nile Provinces
37	S65-63954	S65-65037	190	303:35	"	Sudan, Bahr El Ghazal, Upper Nile Provinces
38	S65-63953	S65-65038	190	303:35	"	Sudan, Bahr El Ghazal, Upper Nile Provinces
39	S65-63952	S65-65039	190	303:37	"	Somali, Coast line South of Mogadishu
40	S65-63951	S65-65040	-	-	"	*Out of Focus, Overexposed
41	S65-63950	S65-65041	192	306:15	"	*Cape Verde Islands, Arava, Fogo, Santiago, Boa Vista, Sal
42	S65-63949	S65-65042	193	307:54	"	**Bahama Bank, North Coast Cuba
43	S65-63948	S65-65043	193	307:54	"	**Bahama Islands, Andros Island
44	S65-63947	S65-65044	193	307:54	"	**Bahama Islands
45	S65-63946	S65-65045	193	307:55	"	**Cuba
46	S65-63945	S65-65046	193	307:55	"	**Cuba, Las Villas, Camagui, Oriente Province
47	S65-63944	S65-65047	193	307:55	"	**Cuba, Oriente Province
48	S65-63943	S65-65048	193	307:55	"	**Cuba, Oriente Province, Guantanamo Bay
49	S65-63942	S65-65049	-	-	"	**Clouds
50	S65-63941	S65-65050	194	311:06	"	**Clouds west of Panama
51	S65-63940	S65-65051	195	311:08	"	Brazil, Peru, Colombia, Upper Amazon River
52	S65-63939	S65-65052	195	311:09	"	Brazil, Upper Amazon Basin
53	S65-63938	S65-65053	195	311:10	"	Brazil, Upper Amazon Basin

<u>FRAHE NO.</u>	<u>NASA/MSC COLOR NO.</u>	<u>NASA/MSC B &amp; W NO.</u>	<u>ORBIT NO.</u>	<u>G.E.T. TIME</u>	<u>DATE (MSC)</u>	<u>LOCATION AND IDENTIFICATION</u>
54	S65-63937	S65-65054	195	311:11	Dec. 17	Brazil, Overexposed
55	S65-63936	S65-65055	195	311:12	"	Brazil, Mato Grosso
56	S65-63935	S65-65056	195	311:13	"	Brazil, Mato Grosso
57	S65-63934	S65-65057	195	311:14	"	Brazil, Mato Grosso
58	S65-63933	S65-65058	195	311:15	"	Brazil, Mato Grosso
59	S65-63932	S65-65059	195	311:16	"	Coastline of Brazil, North of Vitoria
60	S65-63931	S65-65-60	195	311:19	"	Clouds over Atlantic

End of Roll

## MAGAZINE 30 (G) (EXPOSED AND PROCESSED AT ASA 500)

1	S65-65237	S65-65179	-	-	-	Overexposed, no image
2	S65-65238	S65-65180	118	187:28	Dec. 12	Lightning in clouds, F=5.5 at 1/25 second
3	S65-65239	S65-65181	118	187:28	"	LIMB
4	S65-65240	S65-65182	-	-	"	Overexposed, No image
5	S65-65241	S65-65183	118	187:29	"	Lightning in clouds, F=5.5 at 1/25 second
6	S65-65242	S65-65184	181	289:15	Dec. 16	Sunrise Sequence, 250MM lens, Time exposure up to 8 seconds
7	S65-65243	S65-65185	181	289:15	"	Sunrise sequence, 250MM lens, Time exposure up to 8 seconds
8	S65-65244	S65-65186	181	289:15	"	Sunrise sequence, 250MM lens, Time exposure up to 8 seconds
9	S65-65245	S65-65187	181	289:15	"	Sunrise sequence, 250MM lens, Time exposure up to 8 seconds
10	S65-65246	S65-65188	181	289:15	"	Sunrise sequence, 250MM lens, time exposure up to 8 seconds
11	S65-65247	S65-65189	181	289:16	"	Sunrise sequence, 250MM lens, time exposure up to 8 seconds
12	S65-65248	S65-65190	181	289:16	"	Sunrise sequence, 250MM lens, time exposure up to 8 seconds
13	S65-65249	S65-65191	181	289:16	"	Sunrise sequence, 250MM lens, time exposure up to 8 seconds
14	S65-65250	S65-65192	181	289:17	"	Sunrise sequence, 250MM lens, time exposure up to 8 seconds
15	S65-65251	S65-65193	-	-	-	Blank
16	S65-65252	S65-65194	-	-	-	Clouds Grainy
17	S65-65253	S65-65195	-	-	-	Clouds Grainy
18	S65-65254	S65-65196	-	-	-	Overexposed, no image
19	S65-65255	S65-65197	-	-	-	Dim light on clouds, grainy, blurred
20	S65-65256	S65-65198	-	-	-	LIMB, Sunrise
21	S65-65257	S65-65199	-	-	-	LIMB, Sunrise
22	S65-65259	S65-65200	-	-	-	Window reflection
23	S65-65260	S65-65201	-	-	-	Blank
24	S65-65261	S65-65202	-	-	-	Spacecraft Nose, out of focus
25	S65-65262	S65-65203	-	-	-	Blank
26	S65-65263	S65-65204	-	-	-	**Clouds; LIMB, very grainy
27	S65-65264	S65-65205	-	-	-	**Clouds, LIMB, very grainy
28	S65-65265	S65-65206	-	-	-	**Clouds, LIMB, very grainy
29	S65-65266	S65-65207	-	-	-	**Clouds, LIMB, very grainy
30	S65-65267	S65-65208	-	-	-	**Clouds, LIMB, very grainy

FRAME NO.	NASA/MSC COLOR NO.	NASA/MSC B & W NO.	ORBIT NO.	G.E.T. TIME	DATE (MSC)	LOCATION AND IDENTIFICATION
31	S65-65268	S65-65209				**Clouds, LIMB, very grainy
32	S65-65269	S65-65210				**Clouds, LIMB, very grainy
33		S65-65211				Blank
34						Blank
35						Blank
36						Blank
37	S65-65270	S65-65211				LIMB sequence, sunset
38	S65-65271	S65-65212				LIMB sequence, sunset
39	S65-65272	S65-65213				LIMB sequence, sunset
40	S65-65273	S65-65214				LIMB sequence, sunset
41	S65-65274	S65-65215				LIMB sequence, sunset
42	S65-65275	S65-65216				LIMB Sequence, sunset
43	S65-65276	S65-65217				LIMB sequence, sunset
44	S65-65277	S65-65218				LIMB sequence, sunset
45	S65-65278	S65-65219				**Clouds, LIMB, grainy
46	S65-65279	S65-65220				**Clouds, LIMB, grainy
47	S65-65280	S65-65221				**Clouds, LIMB, grainy
48	S65-65281	S65-65222				**Clouds, grainy
49	S65-65282	S65-65223				**Clouds, grainy
50	S65-65283	S65-65224				**Clouds, grainy
51	S65-65284	S65-65225				**Clouds, grainy
52	S65-65285	S65-65226				**Clouds, grainy
53	S65-65286	S65-65227				**Clouds, grainy
54	S65-65287	S65-65228				**Clouds, grainy
55	S65-65288	S65-65229				**Clouds, LIMB, grainy
56	S65-65289	S65-65230				**Clouds, LIMB, grainy
57	S65-65290	S65-65231				**Clouds, grainy, over Amazon Basin
58	S65-65291	S65-65232				Clouds, grainy
59	S65-65292	S65-65233				Clouds, grainy
60	S65-65293	S65-65234				Clouds, grainy
61	S65-65294	S65-65235				Clouds, grainy
62	S65-65295	S65-65236				Clouds, grainy

End of Roll

MAGAZINE NO. 26 (E) (INFRARED EKTACHROME FILM TYPE 8443)

1		45	71:53	Dec. 7	Blank
2	S65-64050	45	71:53	"	Gulf coast, Mobile, GulfPort, New Orleans, Baton Rouge at F=11, at 1/250 second
3	S65-64051	45	71:53	"	Gulf Coast, Mobile Gulf Port, Pensacola, F=11 1/250 second
4	S65-64052	45	71:53	"	Pensacola, Panama City F=11 1/250 second
5	S65-64053	45	71:53	"	Apalachicola, Tallahassee, Forest fires

FRAME NO.	NASA/MSC COLOR NO.	NASA/MSC B & W NO.	ORBIT NO.	G.E.T. TIME	DATE (MSC)	LOCATION AND IDENTIFICATION
6	S65-64054		45	71:54	Dec. 7	Gulf coast, Florida, underexposed, f=16 at 1/250 second
7	S65-64055		45	71:54	"	Florida, Jacksonville, Georgia coast, underexposed
8	S65-64056		45	71:54	"	Florida, Jacksonville, highlights underexposed
9	S65-64057		121	192:12	Dec. 9	No filter, Brazil, Para and Maranhao States, Atlantic Ocean
10	S65-64058		121	192:12	"	No filter, Brazil, Maranhao State, Baia De Sao Luis
11	S65-64059		121	192:12	"	No filter, Brazil, Maranhao State, Baia De Sao Luis
12	S65-64060		121	192:13	"	Underexposed, Clouds, along Brazil coast
13	S65-64061		121	192:13	"	Clouds, underexposed, along Brazil coast
14	S65-64062		121	192:13	"	Clouds, underexposed, along Brazil coast
15	S65-64063		121	192:15	"	No filter, Brazil, Mouth of Sao Francisco River, Alagoa Sergipe, States
16	S65-64064		122	193:39	"	*Bad exposure trouble with film advance, Brazil, Amazon River
17	S65-64065		122	193:39	"	*Bad exposure, trouble with film advance, Brazil, Amazon River and Purus River
18	S65-64066		122	193:39	"	Overexposed
19	S65-64067		151	240:33	Dec. 14	Clouds over Brazil, Maranhao State
20	S65-64068		151	240:33	"	Clouds over Brazil, Maranhao State
21	S65-64069		151	240:33	"	Clouds over Brazil, Maranhao State, Baia De Sao Luis, Atlantic Ocean
22	S65-64070		151	240:33	"	Clouds over Brazil, Maranhao State, Piaui, Ceara States, Atlantic Ocean
23	S65-64071		151	240:33	"	Clouds over Brazil, Piaui and Ceara States
24	S65-64072		151	240:34	"	Clouds over Brazil, Ceara State, South of Fortaleza
25	S65-64073		151	240:34	"	Clouds over Brazil, Ceara State, Atlantic Coast, Fortaleza
26	S65-64074		151	240:34	"	Clouds over Brazil, Ceara, Rio Grande Do Norte States, Fortaleza
27	S65-64075		151	240:34	"	Clouds over Brazil, Ceara, Rio Grande Do Norte, Paraiba States, Natal
28	S65-64076		151	240:35	"	Clouds over Brazil, Rio Grande Do Norte, Paraiba, Pernambuco States, Recife
29	S65-64077		151	240:35	"	Clouds over Brazil, Ceara, Rio Grande Do Norte, Paraiba States, Fortaleza
30	S65-64078		151	240:35	"	Clouds over Brazil, Ceara, Rio Grande Do Norte, Paraiba States, Natal
31	S65-64079		151	240:36	"	Clouds over Brazil, Atlantic Coast, Mouth of Sao Francisco River, Recife

End of roll

7. GEMINI VIII  
Ref. 6



GEMINI VIII (March 16, 1966)

70MM PHOTOGRAPHY IDENTIFICATION

CAMERA: Hasselblad, Model 500-C (NASA Modified)  
LENS : Zeiss Planar 80mm Focal Length F: 2.8  
Film : Eastman Kodak, Ektachrome, MS (S.O.217)

Liftoff: 16:41 Zulu (G.E.T.=00:00)  
Splashdown: 3:22 Zulu  
Duration: 10 hr, 41 min, 26 sec.

Command Pilot : Neil A. Armstrong  
Photography By : Major David L. Scott  
Identification By : Richard W. Underwood (NASA/MSC)  
Date : June 6, 1966 (1st Rev.)

ORBIT : Initial Perigee = 87 Nautical Miles; Apogee = 146 Nautical Miles; Circular = 161 Nautical Miles

NOTE : Distances shown are from the nose edge of Gemini VIII to closest point on the Agena #5003. The Agena #5003 is 26 feet (7.92 meters) long and 60 inches (1.52 meters) in diameter. The distance from the camera to the nose of Gemini VIII is approximately 8.3 feet (2.5 meters).

MAGAZINE 20

FRAME NO.	NASA/MSC COLOR NO.	NASA/MSC B & W NO.	ORBIT NO.	G.E.T. TIME	DATE	LOCATION AND IDENTIFICATION
1	S66-25771	S66-25752	3	4:15	3/16/66	Earth limb with cloud layers in silhouette, sunrise over Guam.
2	S66-25772	S66-25753	3	4:24	"	Agena at approximately 1000 feet, overexposed, near Midway Island.
3	S66-25773	S66-25754	3	4:24	"	Agena at approximately 1000 feet, overexposed, near Midway Island.
4	S66-25774	S66-25755	3	4:25	"	Agena at approximately 1000 feet, dark sky background, near Midway Island.
5	S66-25775	S66-25756	3	4:25	"	Agena at approximately 1000 feet, dark sky background, near Midway Island.
6	S66-25776	S66-25757	3	4:26	"	Agena at approximately 750 feet, dark sky background, North of Hawaii
7	S66-25777	S66-25758	3	4:27	"	Agena at approximately 450 feet, dark sky background, North of Hawaii
8	S66-25778	S66-25759	3	4:28	"	Agena at 250 feet, motor end turned 45° toward Gemini VIII, sky background, North of Hawaii
9	S66-25779	S66-25760	3	4:28	"	Agena at 210 feet, motor end turned 45° toward Gemini VIII, sea, clouds, limb, sky in background
10	S66-25780	S66-25761	3	4:29	"	Agena at 190 feet, motor end turned 45° toward Gemini VIII, sea, clouds, limb, sky in background
11	S66-25781	S66-25762	3	4:33	"	Agena at 55 feet docking adapter end turned partially toward Gemini VIII, clouds, limb, sky in background
12	S66-25782	S66-25763	3	4:40	"	Agena at 45 feet, side view of entire Agena, good stereo with frame # 13, off west coast of Mexico
13	S66-25783	S66-25764	3	4:40	"	Agena at 44 feet, side view of entire Agena, good stereo with frame 12, off west coast of Mexico
14	S66-25784	S66-25765	4	5:01	"	Agena at 24 inches from nose of Gemini VIII, docking adapter end and instrument panel of Agena visible, over coast of Brazil near Rio de Janeiro
15	S66-25785	S66-25766	4	5:04	"	Docking, can see instrument panel, L-bank antenna of Agena, slightly out of focus, over South Africa
16	S66-25786	S66-25767	4	5:05	"	Out of focus, Agena instrument panel while docked
17	S66-25787	S66-25768	4	5:40	"	Docked with Agena, clouds, sea, limb, sky, solar backlighting, near Philippine Islands
18	S66-25788	S66-25769	4	5:40	"	Docked with Agena, shadow side of Agena, clouds, sea, limb, sky, near Philippine Islands
19	S66-25789	S66-25770	4	-	"	Sunlight in lens, no photo

050357  
57-66108

GEMINI VIII (March 16, 1966)  
70MM PHOTOGRAPHY IDENTIFICATION

CAMERA: Hasselblad, Model 500-C (NASA Modified)  
LENS: Zeiss Biotar 80mm Focal Length F: 2.8  
FILM: Eastman Kodak, Ektachrome, MS (S.O.217)

Command Pilot: Neil A. Armstrong  
Photography By: Major David L. Scott  
Identification By: Richard W. Underwood (MSC)  
Date: March 20, 1966

CREDIT: Initial Perigee - 87 Nautical Miles; Apogee - 146 Nautical Miles; Circular - 161 Nautical Miles

NOTE: Distances shown are from the nose edge of Gemini VIII to closest point on the Agena #5003. The Agena #5003 is 26 feet (7.92 meters) long and 60 inches (1.52 meters) in diameter. The distance from the camera to the nose of Gemini VIII is approximately 8.3 feet (2.5 meters).

MAGAZINE #20

FRAME NO.	NASA/ASC COLOR NO.	NASA/ASC COLOR NO.	NASA/ASC E&H NO.	NASA/ASC E&H NO.	ORBIT NO.	G.E.T. TIME	DATE	LOCATION AND IDENTIFICATION
1.	S66-25771		S66-25752		3	4:15	3/16/66	Earth limb with cloud layers in silhouette, sunrise over Guam.
2.	S66-25772		S66-25753		3	4:24	"	Agena at approximately 1,000 feet, overexposed, near Midway Island.
3.	S66-25773		S66-25754		3	4:24	"	Same as above.
4.	S66-25774		S66-25755		3	4:25	"	Agena at approximately 1,000 feet, dark sky background, near Midway Island.
5.	S66-25775		S66-25756		3	4:25	"	Same as above.
6.	S66-25775		S66-25757		3	4:26	"	Agena at approximately 750 feet, dark sky background, North of Hawaii.
7.	S66-25777	66-HC-184	S66-25758	66-H-218	3	4:27	"	Agena at approx. 450 ft., dark sky background, N. of Hawaii.
8.	S66-25773	66-HC-185	S66-25759	66-H-219	3	4:28	"	Agena at 250 feet, motor end turned 45° toward Gemini VIII, sky background, North of Hawaii.
9.	S66-25773	66-HC-186	S66-25760	66-H-220	3	4:28	"	Agena at 210 feet, motor end turned 45° toward Gemini VIII, sea, clouds, limb, sky in background.
10.	S66-25773	66-HC-187	S66-25761	66-H-221	3	4:29	"	Agena at 190 feet, motor end turned 45° toward Gemini VIII, sea, clouds, limb, sky in background.
11.	S66-25773	66-HC-188	S66-25762	66-H-222	3	4:33	"	Agena at 55 feet, docking adapter end turned partially toward Gemini VIII, clouds, limb, sky in background.
12.	S66-25773	66-HC-189	S66-25763	66-H-223	3	4:40	"	Agena at 45 feet, side view of entire Agena, good stereo with frame #13, off west coast of Mexico.
13.	S66-25753	66-HC-190	S66-25764	66-H-224	3	4:40	"	Agena at 44 feet, side view of entire Agena, good stereo with frame #12, off west coast of Mexico.

50-00108

GEMINI VIII (March 16, 1966) TONY PHOTOGRAPHY IDENTIFICATION (Continued)

<u>FRAME NO.</u>	<u>NASA/MSC COLOR NO.</u>	<u>NASA/HQ COLOR NO.</u>	<u>NASA/MSC EXM NO.</u>	<u>NASA/HQ EXM NO.</u>	<u>ORBIT NO.</u>	<u>O.F.T. TIME</u>	<u>DATE</u>	<u>LOCATION AND IDENTIFICATION</u>
14.	S66-25734	66-HC-191	S66-25765	66-H-225	4	5:01	3/16/66	Agna at 24 inches from nose of Gemini VIII, docking adapter end and instrument panel of Agna visible, over coast of Brazil near Rio de Janeiro
15.	S66-25735	66-HC-200	S66-25766	66-H-329	4	5:04	"	Docking, can see instrument panel, L-band antenna of Agna, slightly out of focus, over South Africa.
16.	S66-25786		S66-25767		4	5:05	"	Out of focus, Agna instrument panel while docked.
17.	S66-25737	66-HC-192	S66-25768	66-H-226	4	5:40	"	Docked with Agna, clouds, sea, limb, sky, solar backlighting, near Philippine Islands.
18.	S66-25788		S66-25769		4	5:40	"	Docked with Agna, shadow side of Agna, clouds, sea, limb, sky, near Philippine Islands.
19.	S66-25789		S66-25770		4	-	"	Sunlight in lens, no photo

8. GEMINI IX  
Ref. 7

GEMINI IX (June 3-6, 1966)

Page 1

70MM PHOTOGRAPHY IDENTIFICATION

Cameras:

1. Hasselblad, Model 500-C (NASA Modified)  
Lens: Zeiss, Planar, 80MM Focal Length, F: 2.8  
Rolls-A-B-C
  2. Hasselblad, Super Wide Angle-C (NASA Modified)  
Lens: Zeiss, Biogon 38MM, Focal Length, F: 4.5  
Roll-D
  3. J. A. Maurer- 70 Space Camera  
Lens: Xenotar, 80MM Focal Length, F: 2.8  
Film: Eastman Kodak, Ektachrome, MS (S.O. 217)  
70MM Width-55 x 55 MM Format
- NOTE: Rendezvous distances from camera to nearest point on Augmented Target Docking Adapter (ATDA). Distance from camera to nose of spacecraft approximately 8.3 feet (2.5 meters), accuracy of distances  $\pm 5\%$

Lift Off: 13:39:33 Zulu

Photography By: Lt. Col. Thomas P. Stafford  
LCdr Eugene A. Cernan

Splash Down: 14:00:23 Zulu

Identification By: R. W. Underwood, (NASA/MSC/BL-1)

Duration of Flight: 72 hours, 20 min, 55 sec Date: June 16, 1966 (1st Revision)

Apogee: Initial = 144; Rendezvous = 162; Later = 157 (approx.) in Nautical Miles

Perigee: Initial = 86; Rendezvous = 161; Later = 146 (approx.) in Nautical Miles

Note: Ground elapsed times (G.E.T.) are estimated unless verified by Pilot Log entry or tape/radio transmissions.

MAGAZINE NO. A (5N-7)

FRAME NO.	NASA/MSC COLOR NO.	NASA/MSC S & W NO.	REVOLUTION NO.	G.E.T. TIME	DATE (MSC)
1	S66-37906	S66-37806	1	1:34	June 3, '66
2	S66-37907	S66-37807	1	1:34	"
3	S66-37908	S66-37808	1	1:34	"
4	S66-37909	S66-37809	1	1:36	"
5	S66-37910	S66-37810	1	1:36	"
6	S66-37911	S66-37811	3	4:48	"
7	S66-37912	S66-37812	3	4:48	"
8	S66-37913	S66-37813	3	4:48	"
9	S66-37914	S66-37814	3	4:49	"
10	S66-37915	S66-37815	3	4:50	"
11	S66-37916	S66-37816	3	4:50	"
12	S66-37917	S66-37817	3	4:50	"
13	S66-37918	S66-37818	3	4:51	"
14	S66-37919	S66-37819	4	4:52	"
15	S66-37920	S66-37820	4	4:52	"
16	S66-37921	S66-37821	4	4:52	"
17	S66-37922	S66-37822	4	4:53	"
18	S66-37923	S66-37823	4	4:53	"

LOCATION AND IDENTIFICATION

South Texas/Mexico (Nuevo Leon, Tamaulipas, Coahuila) Sierra Madre Oriental, Looking South, Clouds  
 South Texas/Mexico (Nuevo Leon, Tamaulipas, Coahuila) Sierra Madre Oriental, Looking South, Clouds  
 South Texas, Mexico (Tamaulipas) 60% cloud cover  
 Mouth of Mississippi, West Louisiana Coast, Lake Charles, Mississippi River to Vicksburg, Looking East  
 Mouth of Mississippi, New Orleans, Mobile Bay, Florida Coast, Looking East  
 ATDA, Backlit, Sky background, Range 65' (20M)  
 ATDA, Backlit, Sky background, Range 65' (20M)  
 ATDA, Backlit, Sky background, Range 70' (21M)  
 ATDA, Backlit, Sky background, Range 65' (20M)  
 ATDA, Backlit, Sky background, Range 45' (14M)  
 ATDA, Backlit, Sky background, Range 38' (12M)  
 ATDA, Sideview off coast of Honduras, Range 45' (14M)  
 ATDA, Back end view; sky background, Range 75' (23M)  
 ATDA, Side view, close in; sky background, Range 30' (9M)  
 ATDA, Side view, close in; sky background, Range 25' (8M)  
 ATDA, Side view, close in; sky background, Range 25' (8M)  
 ATDA, Side view, nose of Gemini IX, Islas Los Roques, Coast of Venezuela, Range 70' (21M)  
 ATDA, Side view, Nose of Gemini IX, Islas Los Roques, Isla Orchila, Coast of Venezuela  
 Range 75' (23M)

50-0109  
650055

## GEMINI IX , Magazine A Continued

FRAME NO.	NASA/MSC COLOR NO.	NASA/MSC B & W NO.	REVOLUTION NO.	G.E.T. TIME	DATE (MSC)	LOCATION AND IDENTIFICATION
19	S66-37924	S66-37824	4	4:53	June 3, '66	ATDA, Side view, Isla La Tortuga, Coast of Venezuela, Range 85' (26M)
20	S66-37925	S66-37825	4	4:53	"	ATDA, Side view, Isla La Tortuga, Coast of Venezuela, Range 105' (33M)
21	S66-37926	S66-37826	4	4:53	"	ATDA, Side view, Isla La Tortuga, Coast of Venezuela, Peninsula De Araya, Range 110' (35M)
22	S66-37927	S66-37827	4	4:54	"	ATDA, Shroud, closeup view, cloud background, jungles of Venezuela, Range 45' (14M)
23	S66-37928	S66-37828	4	4:54	"	ATDA, Shroud, closeup view, cloud background, jungles of Venezuela, Range 40' (12M)
24	S66-37929	S66-37829	4	5:34	June 4, '66	Moon, (full) plus ATDA, Range Approximately 750' (240M)
25	S66-37930	S66-37830	4	5:34	"	Moon, (full) plus ATDA, Range Approximately 50' (240M)
26	S66-37931	S66-37831	4	5:34	"	Moon, (full)
27	S66-37932	S66-37832	15	22:40	"	ATDA, sky background, fore-side view, Range 125' (40M)
28	S66-37933	S66-37833	15	22:40	"	ATDA, sky background, side view, Range 140' (45M)
29	S66-37934	S66-37834	15	22:40	"	ATDA, sky background, rear quarter view, Range 140' (45M)
30	S66-37935	S66-37835	15	22:41	"	ATDA, sky background, side view, Range 150' (48M)
31	S66-37936	S66-37836	15	22:41	"	ATDA, sky background, nose view, Shroud only visible, Range 150' (48M)
32	S66-37937	S66-37837	15	22:41	"	ATDA, sky background, view of Shroud, Range 150' (48M)
33	S66-37938	S66-37838	15	22:41	"	ATDA, sky background, nose view, Range 170' (54M)
34	S66-37939	S66-37839	15	22:42	"	ATDA, sky background, side and rear visible, Range 150' (48M)
35	S66-37940	S66-37840	15	22:42	"	ATDA, sky background, side view, Range 140' (45M)
36	S66-37941	S66-37841	15	22:42	"	ATDA, sky background, side view, Range 100' (31M)
37	S66-37942	S66-37842	15	22:42	"	ATDA, sky background, side view, Range 100' (31M)
38	S66-37943	S66-37843	15	22:43	"	ATDA, sky background, forward quarter view, Range 80' (24M)
39	S66-37944	S66-37844	15	22:43	"	ATDA, sky background, side view, Shroud hid by Gemini IX nose, Range 135' (44M)
40	S66-37945	S66-37845	15	22:43	"	ATDA, sky background, side view, Shroud hid by Gemini IX nose, Range 130' (42M)
41	S66-37946	S66-37846	15	22:43	"	ATDA, sky background, side view, Shroud hid by Gemini IX nose, Range 145' (40M)
42	S66-37947	S66-37847	15	22:43	"	ATDA, sky background, side view, Shroud hid by Gemini IX nose, Range 120' (39M)
43	S66-37948	S66-37848	15	22:44	"	ATDA, sky background, side view, Range 110' (35M)
44	S66-37949	S66-37849	15	22:44	"	ATDA, sky-horizon-ocean, side view, Range 120' (39M)
45	S66-37950	S66-37850	15	22:44	"	ATDA, sky-horizon-ocean, side view, Range 80' (25M)
46	S66-37951	S66-37851	15	22:44	"	ATDA, sky-horizon-ocean, fore quarter view, Range 75' (23M)
47	S66-37952	S66-37852	15	22:45	"	ATDA, sky-horizon-ocean, partially hid by Gemini IX nose, Range 65' (20M)
48	S66-37953	S66-37853	15	22:45	"	ATDA, sky-horizon-ocean, partially hid by Gemini IX nose, Range 55' (17M)
49	S66-37954	S66-37854	15	22:45	"	ATDA, sky-horizon-ocean, partially hid by Gemini IX nose, Range 25' (8M)
50	S66-37955	S66-37855	15	22:45	"	ATDA, sky-horizon-ocean, partially hid by Gemini IX nose, Range 25' (8M)
51	S66-37956	S66-37856	15	22:45	"	ATDA, partially hid by Gemini IX nose, Range 25' (8M)
52	S66-37957	S66-37857	15	22:46	"	ATDA, partially hid by Gemini IX nose, Range 25' (8M)
53	S66-37958	S66-37858	15	22:46	"	ATDA, partially hid by Gemini IX nose, Range 22' (7M)
54	S66-37959	S66-37859	15	22:46	"	ATDA, partially hid by Gemini IX nose, Range 22' (7M)
55	S66-37960	S66-37860	15	22:46	"	ATDA, partially hid by Gemini IX nose, Range 26' (8M)
56	S66-37961	S66-37861	15	22:46	"	ATDA, partially hid by Gemini IX nose, Range 28' (9M)
57	S66-37962	S66-37862	15	22:46	"	ATDA, partially hid by Gemini IX nose, Range 25' (8M)
58	S66-37963	S66-37863	15	22:47	"	ATDA, partially hid by Gemini IX nose, Range 27' (8M)
59	S66-37964	S66-37864	15	22:47	"	ATDA, partially hid by Gemini IX nose, Range 30' (9M)

## GEMINI IX

Page 3

FRAME NO.	NASA/MSC COLOR NO.	NASA/MSC B & W NO.	REVOLUTION NO.	G.E.T. TIME	DATE (MSC)	LOCATION AND IDENTIFICATION
60	S66-37965	S66-37865	15	22:47	June 4, '66	ATDA, Shroud hid by Gemini IX nose, Range 33' (10M)
61	S66-37966	S66-37866	15	22:47	"	ATDA, side view, Range 38' (12M)
62	S66-37967	S66-37867	15	22:47	"	ATDA, rear quarter view, Range 40' (12M)
63	S66-37968	S66-37868	15	22:48	"	ATDA, rear view, Range 44' (14M)
64	S66-37969	S66-37869	15	22:48	"	ATDA, rear view, Range 47' (14M)
65	S66-37970	S66-37870	15	22:48	"	ATDA, rear quarter view, Range 47' (14M)
66	S66-37971	S66-37871	15	22:48	"	ATDA, side view, Range 47' (14M)
67	S66-37972	S66-37872	15	22:48	"	ATDA, side view, Range 44' (14M)

## MAGAZINE B (SH-B)

FRAME NO.	NASA/MSC COLOR NO.	NASA/MSC B & W NO.	REVOLUTION NO.	G.E.T. TIME	DATE (MSC)	LOCATION AND IDENTIFICATION
1						Blank
2	S66-38396	S66-38333				Blank
3	S66-38397	S66-38334				Blank
4	S66-38398	S66-38335	43	67:32	June 6, '66	Limb -
5	S66-38399	S66-38336	43	67:32	"	Limb -
6	S66-38400	S66-38337	43	67:49	"	Canary Islands, looking east
7	S66-38401	S66-38338	43	67:49	"	Canary Islands, looking east
8	S66-38402	S66-38339	43	67:49	"	Canary Islands, looking east
9	S66-38403	S66-38340	43	67:50	"	Canary Islands, looking east
10	S66-38404	S66-38341	43	67:50	"	Canary Islands, looking east, Coast of Africa
11	S66-38405	S66-38342	43	67:50	"	Canary Islands, looking east, Coast of Africa
12	S66-38406	S66-38343	43	67:51	"	Canary Islands, looking east, Coast of Morocco and Spanish Sahara
13	S66-38407	S66-38344	43	67:51	"	Canary Islands, looking east, Coast of Morocco and Spanish Sahara
14	S66-38408	S66-38345	43	67:51	"	Fuerteventura Is. Coast of Spanish Sahara and Morocco
15	S66-38409	S66-38346	43	67:52	"	Spanish Sahara - Mauritania - Algeria, Yetti Plain, Hamada Du Dra
16	S66-38410	S66-38347				Blank
17	S66-38411	S66-38348	43	67:52	"	Spanish Sahara, Mauritania - Algeria, Hamada Du Dra
18	S66-38412	S66-38349	43	67:53	"	Algeria - Mauritania, Erg Iguidi, Erg Chech
19	S66-38413	S66-38350	43	67:53	"	Algeria - Mauritania, Erg Iguidi, Erg Chech
20	S66-38414	S66-38351	43	67:53	"	Algeria, Erg Chech
21	S66-38415	S66-38352	43	67:53	"	Algeria, Erg Chech
22	S66-38416	S66-38353	43	67:59	"	Algeria - Libya, Hamada De Tinrhert, Al Haruj Al Aswad uplift, looking east
23	S66-38417	S66-38354	43	67:59	"	Libya, Al Haruj Al Swad uplift, Sahara Desert, looking east
24	S66-38418	S66-38355	43	67:59	"	Libya, Al Haruj Al Swad uplift, Sahara Desert, looking southeast
25	S66-38419	S66-38356	43	68:00	"	Libya - Chad, Niger, West edge Tibesti Mountains, unique streaks around uplift
26	S66-38420	S66-38357	43	68:02	"	Libya - Chad, Niger, Tibesti Mountains, Lava flows at Pic Tousse (10712')
27	S66-38421	S66-38358	43	68:00	"	Libya - Sudan - Chad, Featureless Desert
28	S66-38422	S66-38359	43	68:04	"	Sudan (Northern and Kassala Provinces) Great Nubian Bend of Nile

FRAME NO.	NASA/MSC COLOR NO.	NASA/MSC B & W NO.	REVOLUTION NO.	G.E.T. TIME	(MSC) DATE	LOCATION AND IDENTIFICATION
29	S66-38423	S66-38360	43	68:05	June 6, '66	Ethiopia - Aden - Yemen, Red Sea, Danakil Depression, looking east
30	S66-38424	S66-38361	43	68:06	"	Somali - Ethiopia, Gulf of Aden, looking southeast to Indian Ocean
31	S66-38425	S66-38362	43	68:07	"	Somali, looking southeast to Indian Ocean
32	S66-38426	S66-38363	43	68:08	"	Somali, Ras Azir, Ras Hafun, Socotra Island, looking eastward
33	S66-38427	S66-38364	43	68:08	"	Somali, Ras Azir, Ras Hafun, Socotra Island, looking eastward
34	S66-38428	S66-38365	43	68:11	"	Clouds over water
35	S66-38429	S66-38366	43	68:11	"	Clouds over water
36	S66-38430	S66-38367	44	69:23	"	Clouds, underexposed
37	S66-38431	S66-38368	44	69:23	"	Clouds, underexposed
38	S66-38432	S66-38369	44	69:23	"	Clouds, near terminator
39	S66-38433	S66-38370	44	69:23	"	Clouds, near terminator
40	S66-38434	S66-38371	44	69:24	"	Clouds, near terminator
41	S66-38435	S66-38372	44	69:24	"	Clouds, near terminator
42	S66-38436	S66-38373	44	69:24	"	Clouds, near terminator
43	S66-38437	S66-38374	44	69:25	"	Clouds
44	S66-38438	S66-38375	44	69:25	"	Clouds
45	S66-38439	S66-38376	44	69:25	"	Clouds
46	S66-38440	S66-38377	44	69:31	"	Clouds
47	S66-38441	S66-38378	44	69:33	"	Canary Islands, looking northwest
48	S66-38442	S66-38379	44	69:33	"	Canary Islands, looking northwest
49	S66-38443	S66-38380	44	69:43	"	Lake Chad; Chad - Cameroun - Nigeria - Niger, looking north
50	S66-38444	S66-38381	44	69:43	"	Lake Chad, note inundated dune fields, looking north
51	S66-38445	S66-38382	44	69:46	"	Central African Republic, Chad, looking north, very hazy
52	S66-38446	S66-38383	44	69:47	"	Republic of Congo - Central African Republic, Oubangui and Gomu Rivers, hazy
53	S66-38447	S66-38384	44	69:48	"	Uganda, Republic of Congo, Lake Albert, Victoria and Albert Nile, very hazy, looking southwest
54	S66-38448	S66-38385	44	69:48	"	Uganda, Republic of Congo, Lake Ayoga, Lake Albert, Victoria and Albert Nile, hazy, looking southwest
55	S66-38449	S66-38386	44	69:48	"	Kenya - Tanzania - Uganda; Lake Victoria, Kairondo Gulf, Speke Gulf, hazy, looking southwest
56	S66-38450	S66-38387	44	69:48	"	Kenya - Tanzania - Uganda, Lake Victoria, Kairondo Gulf, Speke Gulf, hazy, looking southwest
57	S66-38451	S66-38388	44	69:49	"	Tanzania - Kenya - Somali, Indian Ocean Coast, very hazy
58	S66-38452	S66-38389	44	69:49	"	Somali, Indian Ocean Coast, looking west
59	S66-38453	S66-38390	44	69:49	"	Kenya - Somali, Indian Ocean Coast, very hazy
60	S66-38454	S66-38391	44	69:49	"	Somali Coast, Indian Ocean
61	S66-38455	S66-38392	44	69:50	"	Somali Coast, Indian Ocean
62	S66-38456	S66-38393	44	69:50	"	Partial Frame, Somali Coast
63	S66-38457	S66-38394				Blank
64	S66-38458	S66-38395				Blank



FRAME NO.	NASA/MSC COLOR NO.	NASA/MSC B & W NO.	REVOLUTION NO.	G.E.T. TIME	(MSC) DATE	LOCATION AND IDENTIFICATION
1	S66-38263	S66-38193	22	29:49		Clouds over water
2	S66-38264	S66-38194	21	29:49		Clouds over water
3	S66-38265	S66-38195	21	29:53		Clouds over water
4	S66-38266	S66-38196	21	29:54		Clouds over water
5	S66-38267	S66-38197	21	30:04		Baja California (lower half), Pacific Ocean (foreground), Gulf of California, Sonora, Sinaloa
6	S66-38268	S66-38198	21	30:04		Baja California (lower half), Pacific Ocean (foreground), Gulf of California, Sonora, Sinaloa
7	S66-38269	S66-38199	21	30:06		West Coast of Mexico (Sinaloa)
8	S66-38270	S66-38200	21	30:09		Clouds, Horizon, along west coast of Mexico
9	S66-38271	S66-38201	21	30:11		Clouds, several layers over water, off west coast of Central America
10	S66-38272	S66-38202	21	30:15		Ecuador, Guayaquil, Golfo De Guayaquil, Isla Puna, Amazon Basin, Andes Chimborazo Volcano (20561'), snow covered
11	S66-38273	S66-38203	21	30:15		Ecuador, Peru, Golfo De Guayaquil, Marañon River Gorge, High Andes, looking south southeast
12	S66-38274	S66-38204	22	31:10		Limb, sunrise
13	S66-38275	S66-38205	22	31:10		Limb, sunrise
14	S66-38276	S66-38206	22	31:42		Clouds over water
15	S66-38277	S66-38207	22	31:47		Galapago Islands, clouds over water
16	S66-38278	S66-38208	22	31:47		Galapago Islands, clouds over water
17	S66-38279	S66-38209	22	31:47		Galapago Islands, clouds over water
18	S66-38280	S66-38210	22	31:52		Clouds over water, unique front and cells
19	S66-38281	S66-38211	22	31:55		Peru - West Coast south of Lima, Andes, Amazon Basin, looking east northeast
20	S66-38282	S66-38212	22	31:56		Peru, Andes, underexposed
21	S66-38283	S66-38213	22	31:57		Peru - Bolivia, Lake Titicaca (12500') near sunset, sunlight on Andes snow of Cordillera Real
22	S66-38284	S66-38214	22	31:57		Peru - Bolivia, Lake Titicaca, looking northeast into Amazon Basin, Illimani Volcano (21300')
23	S66-38285	S66-38215	22	31:58		At twilight, Cordillera Real (Illimani Volcano 21300') Snow peaks lit by sun
24	S66-38286	S66-38216	22	31:58		At twilight, Cordillera Real (Illimani Volcano 21300') Snow peaks lit by sun
25	S66-38287	S66-38217	22	32:00		At sunset long shadows from cumulus buildups
26	S66-38288	S66-38218	22	32:00		At sunset long shadows from cumulus buildups
27	S66-38289	S66-38219	22	32:40		Nearly full moon
28	S66-38290	S66-38220	34	54:38	June 5, '66	Peru (small bit of Ecuador) North Coastal area looking southeast across Andes
29	S66-38291	S66-38221	34	54:38	"	Peru, North coastal area looking southeast across Andes into Amazon Basin
30	S66-38292	S66-38222	35	54:39	"	Peru, Sechura Desert, Talara area, north coastal area
31	S66-38293	S66-38223	35	54:39	"	Peru, Sechura Desert, north coastal area
32	S66-38294	S66-38224	35	54:39	"	Peru, North Coastal area, Andes Mountains, Trujillo, Chiclayo
33	S66-38295	S66-38225	35	54:39	"	Peru, North Coastal area, Andes Mountains, Trujillo, Chiclayo
34	S66-38296	S66-38226	35	54:39	"	Peru, North Coastal area, Andes Mountains, Trujillo, Chiclayo
35	S66-38297	S66-38227	35	54:40	"	Peru, North Coastal area, Andes Mountains, Trujillo, Chiclayo
36	S66-38298	S66-38228	35	54:40	"	Peru, Central Coastal area, Andes, Cordillera Blanca, Huascaran (22205') Path of disastrous avalanche of 1962 clearly visible
37	S66-38299	S66-38229	35	54:40	"	Peru, Andes Mountains, Amazon Basin, Ucayali Branch of Amazon
38	S66-38300	S66-38230	35	54:41	"	Peru, Central Coastal area, Lima, Andes, Lago De Jurun, Cero De Pasco

FRAME NO.	NASA/MSC COLOR NO.	NASA/MSC B & W NO.	REVOLUTION NO.	G.E.T. TIME	(MSC) DATE	LOCATION AND IDENTIFICATION
40	S66-38302	S66-38232	35	54:41	June 5, '66	Peru-Brazil, Amazon Basin, Ucayali River System
41	S66-38303	S66-38233	35	54:41	"	Peru - Pacific Coast area, Arequipa, Andes Mountains, Nevado Ampato (21000')
42	S66-38304	S66-38234	35	54:41	"	Peru, Andes Mountains, Cuzco - Ayacuchu area, upper reaches of Amazon System
43	S66-38305	S66-38235	35	54:41	"	Peru, Andes Mountains, Cuzco - Ayacuchu area, upper reaches of Amazon System
44	S66-38306	S66-38236	35	54:41	"	Peru, Andes Mountains, Cuzco - Ayacuchu area, upper reaches of Amazon System
45	S66-38307	S66-38237	35	54:42	"	Peru-Chile, looking south down Pacific Coast
46	S66-38308	S66-38238	35	54:42	"	Peru-Chile-Bolivia, looking south down Pacific Coast
47	S66-38309	S66-38239	35	54:42	"	Peru-Bolivia-Chile, Lake Titicaca, Arequipa, Pacific Coast, Andes, looking south
48	S66-38310	S66-38240	35	54:42	"	Peru-Bolivia-Chile, Lake Titicaca, Andes, Salt Basins looking south
49	S66-38311	S66-38241	35	54:42	"	Peru-Bolivia-Chile, Lake Titicaca, Andes, Salt Basins looking south
50	S66-38312	S66-38242	35	54:42	"	Peru-Bolivia-Chile, Lake Titicaca, Andes, Salt Basins looking south
51	S66-38313	S66-38243	35	54:42	"	Peru-Bolivia-Chile, Lake Titicaca, Lake Poopo, Cordillera Real, Salar de Uyuni
52	S66-38314	S66-38244	35	54:43	"	Bolivia-Chile, Lake Poopo, Salar de Uyuni, Cordillera Real, Amazon Basin
53	S66-38315	S66-38245	35	54:43	"	Bolivia-Chile, Lake Poopo, Salar de Uyuni, Cordillera Central looking southeast
54	S66-38316	S66-38246	35	54:44	"	Bolivia-Paraguay-Argentina, Cordillera Oriental, looking southeast
55	S66-38317	S66-38247	35	54:44	"	Bolivia-Paraguay-Argentina, upper Plata Basin, Bandados de Izozog
56	S66-38318	S66-38248	35	54:44	"	Bolivia-Paraguay, Bandados de Izozog, Amazon-Plata Divide
57	S66-38319	S66-38249	35	54:45	"	Bolivia, Santa Cruz Department, North Paraguay, Brazil, Matto Grosso, at sunset
58	S66-38320	S66-38250	35	54:45	"	Bolivia, Santa Cruz Department, North Paraguay, Brazil, Matto Grosso, at sunset
59	S66-38321	S66-38251	35	54:45	"	Bolivia, Santa Cruz Department, North Paraguay, Brazil, Matto Grosso, at sunset
60	S66-38322	S66-38252				Blank
61	S66-38323	S66-38253				Light Spot, probably moon time exposure
62	S66-38324	S66-38254	35	54:48	"	Earth Terminator at sunset, South America
63	S66-38325	S66-38255	35	54:48	"	Earth Terminator at sunset, South America
64	S66-38326	S66-38256	35	54:48	"	Earth Terminator at sunset, South America
65	S66-38327	S66-38257				Unique Clouds
66	S66-38328	S66-38258				Unique Clouds
67	S66-38329	S66-38259				Unique Clouds
68	S66-38330	S66-38260				Unique Clouds
69	S66-38331	S66-38261				Blank
70	S66-38332	S66-38262				Blank

FRAME NO.	NASA/HSC COLOR NO.	NASA/HSC B & W NO.	REVOLUTION NO.	G.E.T. TIME	(MSC) DAY	LOCATION AND IDENTIFICATION
1	S66-38031	S66-37973	31	49:22		Blank
2	S66-38032	S66-37974	31	49:22	June 5, '66	Cdr. Cernan's EVA camera, standing in hatch over Pacific Ocean
3	S66-38033	S66-37975	31	49:22	"	Cdr. Cernan's EVA camera, standing in hatch over Pacific Ocean
4	S66-38034	S66-37976	31	49:23	"	Cdr. Cernan's EVA camera, clouds over Pacific Ocean
5	S66-38035	S66-37977	31	49:24	"	Cdr. Cernan's EVA camera, clouds over Pacific Ocean
6	S66-38036	S66-37978	31	49:24	"	Cdr. Cernan's EVA camera, clouds over Pacific Ocean
7	S66-38037	S66-37979	31	49:35	"	Cdr. Cernan's EVA camera, clouds over Pacific Ocean
8	S66-38038	S66-37980	31	49:36	"	Cdr. Cernan's EVA camera, California - Arizona - Baja California - Sonora
9	S66-38039	S66-37981	31	49:36	"	Cdr. Cernan's EVA camera, California - Arizona - Baja California - Sonora
10	S66-38040	S66-37982	31	49:37	"	Cdr. Cernan's EVA camera, California - Arizona - Baja California - Sonora
11	S66-38041	S66-37983	31	49:37	"	Cdr. Cernan's EVA camera, California - Arizona - Baja California - Sonora
12	S66-38042	S66-37984	31	49:38	"	Cdr. Cernan's EVA camera, open hatch, gear deployment
13	S66-38043	S66-37985	31	49:38	"	Cdr. Cernan's EVA camera, open hatch, gear deployment, Arizona/New Mexico background
14	S66-38044	S66-37986	31	49:38	"	Cdr. Cernan's EVA camera, open hatch, gear deployment, Arizona/New Mexico background
15	S66-38045	S66-37987	31	49:38	"	Cdr. Cernan's EVA camera, Command Pilot side spacecraft, Arizona/New Mexico/Texas/Mexico background
16	S66-38046	S66-37988	31	49:39	"	Cdr. Cernan's EVA camera, open hatch, gear deployment, Mexico background
17	S66-38047	S66-37989	31	49:43	"	Cdr. Cernan's EVA camera, side of spacecraft
18	S66-38048	S66-37990	31	49:45	"	Cdr. Cernan's EVA camera, nose view of spacecraft
19	S66-38049	S66-37991	31	49:45	"	Cdr. Cernan's EVA camera, side view, open hatch, umbilical cord
20	S66-38050	S66-37992	32	49:49	"	Cdr. Cernan's EVA camera, side view of Gemini IX
21	S66-38051	S66-37993	32	49:49	"	Cdr. Cernan's EVA camera, view of Gemini IX
22	S66-38052	S66-37994	32	49:50	"	Cdr. Cernan's EVA camera, umbilical cord, sea background
23	S66-38053	S66-37995	32	49:50	"	Cdr. Cernan's EVA camera, nose of Gemini IX
24	S66-38054	S66-37996	32	49:51	"	Cdr. Cernan's EVA camera, sea, umbilical cord, hatch
25	S66-38055	S66-37997	32	49:51	"	Cdr. Cernan's EVA camera, side of Gemini IX Adapter Section
26	S66-38056	S66-37998	32	49:51	"	Cdr. Cernan's EVA camera, out of focus
27	S66-38057	S66-37999	32		"	Cdr. Cernan's EVA camera, Blank
28	S66-38058	S66-38000	32		"	Cdr. Cernan's EVA camera, Blank
29	S66-38059	S66-38001	32		"	Cdr. Cernan's EVA camera, Blank
30	S66-38060	S66-38002	32		"	Cdr. Cernan's EVA camera, Blank
31	S66-38061	S66-38003	32	51:09	"	Cdr. Cernan's EVA camera, out of focus
32	S66-38062	S66-38004	32	51:10	"	Cdr. Cernan's EVA camera, Adapter Section
33	S66-38063	S66-38005	32	51:12	"	Cdr. Cernan's EVA camera, Nose of Gemini IX, Umbilical Cord
34	S66-38064	S66-38006	32	51:12	"	Cdr. Cernan's EVA camera, Nose of Gemini IX, Umbilical Cord
35	S66-38065	S66-38007	32	51:12	"	Cdr. Cernan's EVA camera, Nose of Gemini IX, Umbilical Cord
36	S66-38066	S66-38008	32	51:12	"	Cdr. Cernan's EVA camera, Nose of Gemini IX, Umbilical Cord, California
37	S66-38067	S66-38009	32	51:13	"	Cdr. Cernan's EVA camera, Umbilical Cord, California, Los Angeles area
38	S66-38068	S66-38010	32	51:13	"	Cdr. Cernan's EVA camera, Umbilical Cord, California - Arizona - Sonora
39	S66-38069	S66-38011	32	51:13	"	Cdr. Cernan's EVA camera, Umbilical Cord, Arizona - New Mexico - Sonora
40	S66-38070	S66-38012	32	51:13	"	Cdr. Cernan's EVA camera, Nose of Gemini IX, Baja California - Sonora
41	S66-38071	S66-38013	33	51:33	"	Cdr. Cernan's EVA camera, underexposed

GENINI IX, Magazine D (SN-2)

Page 8

<u>FRAHE</u> <u>NO.</u>	<u>NASA/MSC</u> <u>COLOR NO.</u>	<u>NASA/MSC</u> <u>B &amp; W NO.</u>	<u>REVOLUTION</u> <u>NO.</u>	<u>G.E.T.</u> <u>TIME</u>	<u>(MSC)</u> <u>DATE</u>	<u>LOCATION AND IDENTIFICATION</u>
42	S66-38072	S66-38014	33	51:33	June 5, '66	Cdr. Cernan's EVA camera, underexposed
43	S66-38073	S66-38015	33	51:33	"	Cdr. Cernan's EVA camera, underexposed
44	S66-38074	S66-38016	33	51:33	"	Cdr. Cernan's EVA camera, underexposed
45	S66-38075	S66-38017	33	51:33	"	Cdr. Cernan's EVA camera, underexposed
46	S66-38076	S66-38018	34	53:00	"	Inside Gemini IX, Lt. Col. T.P. Stafford
47	S66-38077	S66-38019	34	53:00	"	Inside Gemini IX, Lt. Col. T.P. Stafford
48	S66-38078	S66-38020	34	53:00	"	Inside Gemini IX, Lt. Col. T.P. Stafford
49	S66-38079	S66-38021	34	53:00	"	Inside Gemini IX, Lt. Col. T.P. Stafford
50	S66-38080	S66-38022	34	53:02	"	Inside Gemini IX, Lt. Col. T.P. Stafford
51	S66-38081	S66-38023	34	53:02	"	Inside Gemini IX, Lt. Cdr. E.A. Cernan
52	S66-38082	S66-38024	34	53:02	"	Inside Gemini IX, Lt. Cdr. E.A. Cernan
53	S66-38083	S66-38025	34	53:15	"	Inside Gemini IX, Lt. Cdr. E.A. Cernan
54	S66-38084	S66-38026	34	53:15	"	Limb, sunset
55	S66-38085	S66-38027	34	53:15	"	Limb, sunset
56	S66-38086	S66-38028	34	53:15	"	Clouds, out of focus
57	S66-38087	S66-38029	34	53:15	"	Clouds, out of focus
58	S66-38088	S66-38030	34	53:15	"	Red Light Streak

MAGAZINE F (SN-011)

<u>FRAHE</u> <u>NO.</u>	<u>NASA/MSC</u> <u>COLOR NO.</u>	<u>NASA/MSC</u> <u>B &amp; W NO.</u>	<u>REVOLUTION</u> <u>NO.</u>	<u>G.E.T.</u> <u>TIME</u>	<u>(MSC)</u> <u>DATE</u>	<u>LOCATION AND IDENTIFICATION</u>
1	S66-38141	S66-38089	15	16:42	June 4, '66	Iran, Pakistan, Looking east along Arabian Sea Coast, Makran Mountains, Ridges clearly seen
2	S66-38142	S66-38090	15	22:38	"	ATDA, side view, sky background, Range 125' (40M)
3	S66-38143	S66-38091	15	22:38	"	ATDA, nose view, sky background, Range 120' (38M)
4	S66-38144	S66-38092	15	22:38	"	ATDA, side view, sky background, Range 115' (37M)
5	S66-38145	S66-38093	15	22:39	"	ATDA, end view, sky background, Range 130' (41M)
6	S66-38146	S66-38094	15	22:39	"	ATDA, side view, sky background, Range 140' (45M)
7	S66-38147	S66-38095	15	22:39	"	ATDA, side view, sky - horizon, water background, Range 140' (45M)
8	S66-38148	S66-38096	15	22:40	"	ATDA, side view, sky - horizon, water background, Range 75' (23M)
9	S66-38149	S66-38097	15	22:40	"	ATDA, side view, sky-horizon, water background, Range 60' (18M)
10	S66-38150	S66-38098	15	22:40	"	ATDA, side view, sky - horizon, water background, Range 50' (15M)
11	S66-38151	S66-38099	15	22:40	"	ATDA, side view, sky - horizon, water background, Shroud hid, Range 37' (11M)
12	S66-38152	S66-38100	15	22:41	"	ATDA, side view, sky - horizon, water background, Shroud hid, Range 37' (11M)
13	S66-38153	S66-38101	15	22:41	"	ATDA, side view, Range 30' (9M)
14	S66-38154	S66-38102	15	22:42	"	ATDA, side view, Range 27' (8M)
15	S66-38155	S66-38103	15	22:42	"	ATDA, rear quarter view, Range 27' (8M)
16	S66-38156	S66-38104	15	22:42	"	ATDA, rear quarter view, Range 27' (8M)
17	S66-38157	S66-38105	15	22:44	"	ATDA, Shroud view, Range 24' (7M)
18	S66-38158	S66-38106	15	22:44	"	ATDA, Shroud view, Range 22' (7M)
19	S66-38159	S66-38107	15	22:44	"	ATDA, Shroud view, Range 23' (7M)
20	S66-38160	S66-38108	15	22:44	"	ATDA, Shroud view, Range 24' (7M)
21	S66-38161	S66-38109	15	22:44	"	ATDA, Shroud view, Range 25' (8M)

155-

FRAME NO.	NASA/MSC COLOR NO.	NASA/MSC B & W NO.	REVOLUTION NO.	G.E.T. TIME	(MSC) DATE	LOCATION AND IDENTIFICATION
22	566-38162	566-38110	15	22:45	June 4, '66	ATDA, Shroud view, Range to Shroud 20' (6M)
23	566-38163	566-38111	15	22:45	"	ATDA, Shroud view, Range to Shroud 17' (5M)
24	566-38164	566-38112	15	22:45	"	ATDA, Shroud view, Range to Shroud 16' (5M)
25	566-38165	566-38113	15	22:45	"	ATDA, Shroud view, Range to Shroud 21' (7M)
26	566-38166	566-38114	15	22:45	"	ATDA, side view, Range 33' (10M)
27	566-38167	566-38115	15	22:46	"	ATDA, side view, Range 36' (11M)
28	566-38168	566-38116	15	22:46	"	ATDA, rear quarter view, Range 37' (11M)
29	566-38169	566-38117	15	22:46	"	ATDA, rear quarter view, Range 40' (12M)
30	566-38170	566-38118	15	22:47	"	ATDA, rear quarter view, Range 40' (12M)
31	566-38171	566-38119	15	22:47	"	ATDA, rear quarter view, Range 40' (12M)
32	566-38172	566-38120	15	22:48	"	ATDA, side view, Coast of Africa (Mauritania), Range 40' (12M)
33	566-38173	566-38121	15	22:48	"	ATDA, side view, Coast of Africa (Mauritania), Range 38' (11M)
34	566-38174	566-38122	15	22:50	"	ATDA, partially hid by nose of Gemini IX over Mauritania, Range 60' (18M)
35	566-38175	566-38123	15	22:50	"	ATDA, partially hid by nose of Gemini IX over Mauritania, Range 60' (18M)
36	566-38176	566-38124	15	22:50	"	ATDA, nose view, over Mali, Range 60' (18M)
37	566-38177	566-38125	15	22:51	"	ATDA, nose view, over Mali, Niger River, Timbuktu, Range 65' (20M)
38	566-38178	566-38126	15	22:51	"	ATDA, nose view, over Mali, Niger River, Timbuktu, Range 60' (18M)
39	566-38179	566-38127	15	22:51	"	ATDA, nose view, over Mali, Niger River, Timbuktu, Range 60' (18M)
40	566-38180	566-38128	15	22:51	"	ATDA, side view, over Mali, False Delta of Niger, Range 60' (18M)
41	566-38181	566-38129	15	22:52	"	ATDA, side view, over Mali, False Delta of Niger, Range 60' (18M)
42	566-38182	566-38130	15	22:52	"	ATDA, side view, Over Mali, Upper Volta, Range 65' (20M)
43	566-38183	566-38131	15	22:52	"	ATDA, side view, Over Mali, Upper Volta, Niger, Range 70' (21M)
44	566-38184	566-38132	15	22:53	"	ATDA, rear view, Over Mali, Upper Volta, Niger, Dahomey, Range 75' (23M)
45	566-38185	566-38133	15	22:53	"	ATDA, side view, Over Niger, Nigeria, Range 75' (23M)
46	566-38186	566-38134	15	22:56	"	ATDA, side view, Over Niger, Nigeria, Range 80' (24M)
47	566-38187	566-38135	15	22:56	"	ATDA, side view, sky background, Range 42' (13M)
48	566-38188	566-38136	15	27:56	"	ATDA, side view, sky background, Range 46' (14M)
49	566-38189	566-38137	18	27:22	"	Looking south across Caribbean Sea, Coast of Venezuela, Islands of Aruba, Curacao, Bonaire, Roques
50	566-38190	566-38138	18	27:23	"	Looking south across Caribbean Sea, Coast of Venezuela, Islands of Aruba, Curacao, Bonaire, Roques
51	566-38191	566-38139	18	27:28	"	Coast of Brazil, looking southwest, Baia De Majajo, Ilha De Majajo, Mouth of Amazon
52	566-38192	566-38140	18	27:29	"	Coast of Brazil, looking southwest, States of Para and Maranhao

FRAME NO.	NASA/HSC COLOR NO.	NASA/HSC B & W NO.	REVOLUTION NO.	G.E.T. TIME	(MSC) DATE	LOCATION AND IDENTIFICATION
1	S66-38510	S66-38459	31	49:47	June 5, '66	EVA, CDR Cernan outside, solar reflection degrades photo
2	S66-38511	S66-38460	31	49:47	"	EVA, CDR Cernan outside, solar reflection degrades photo
3	S66-38512	S66-38461	31	49:47	"	EVA, CDR Cernan outside, solar reflection degrades photo
4	S66-38513	S66-38462	31	49:48	"	EVA, Umbilical Cord, solar reflection degrades photo
5	S66-38514	S66-38463	31	49:48	"	EVA, part of CDR Cernan outside
6	S66-38515	S66-38464	31	49:48	"	EVA, part of CDR Cernan outside
7	S66-38516	S66-38465	31	49:48	"	EVA, part of CDR Cernan outside, camera movement
8	S66-38517	S66-38466	31	49:49	"	EVA, part of CDR Cernan outside, too close
9	S66-38518	S66-38467	31	49:49	"	* EVA, Umbilical Cord
10	S66-38519	S66-38468	34	54:09	"	Limb
11	S66-38520	S66-38469	34	54:09	"	Limb
12	S66-38521	S66-38470	34	54:09	"	Limb
13	S66-38522	S66-38471	34	54:38	"	Coast of northern Peru, Andes Mts. looking southeast,
14	S66-38523	S66-38472	34	54:38	"	Coast of northern Peru, Andes Mts. looking southeast,
15	S66-38524	S66-38473	35	54:39	"	Northern Peru, Marañon River Valley east of Trujillo,
16	S66-38525	S66-38474	35	54:39	"	Northern Peru, Marañon River Valley east of Trujillo
17	S66-38526	S66-38475	35	54:39	"	Northern Peru, Marañon River Valley east of Trujillo
18	S66-38527	S66-38476	35	54:39	"	Northern Peru, Oreo and San Martin Provinces, town of Moyobama
19	S66-38528	S66-38477	35	54:40	"	Peru-Brazil, Amazon Basin, Ucayali River, town of Pucallpa
20	S66-38529	S66-38478	35	54:40	"	Peru, Cordillera Vilcabamba, Ucayali River Basin
21	S66-38530	S66-38479	35	54:40	"	Bolivia-Peru, Cordillera Vilcabamba, Cuzco area
22	S66-38531	S66-38480	35	54:41	"	Bolivia-Peru, Cordillera Real, Cuzco area, upper Amazon Basin
23	S66-38532	S66-38481	35	54:41	"	Bolivia-Peru, Cordillera Real, upper Amazon Basin
24	S66-38533	S66-38482	35	54:41	"	Bolivia-Peru-Chile-Argentina, Lake Titicaca, Lake Poopo, Salar de Uyuni, looking southeast
25	S66-38534	S66-38483	35	54:42	"	Bolivia, northeast of Lake Titicaca, Cordillera Real, Beni River Valley
26	S66-38535	S66-38484	35	54:42	"	Bolivia, northeast part, Mamore River Valley
27	S66-38536	S66-38485	35	54:43	"	Northeast Bolivia, Beni and Santa Cruz States, upper Mamore Valley
28	S66-38537	S66-38486	35	54:43	"	Bolivia, Santa Cruz and Beni States
29	S66-38538	S66-38487	35	54:44	"	Bolivia (Santa Cruz); Brazil (Matto Grosso)
30	S66-38539	S66-38488	35	54:44	"	Bolivia (Santa Cruz); Brazil (Matto Grosso)
31	S66-38540	S66-38489	35	54:45	"	Bolivia-Brazil-Paraguay, Matto Grosso Jungles
32	S66-38541	S66-38490	35	54:45	"	Bolivia-Brazil-Paraguay, Matto Grosso Jungles looking southeast
33	S66-38542	S66-38491	43	67:49	June 6, '66	Canary Islands looking east
34	S66-38543	S66-38492	43	67:49	"	Canary Islands looking east
35	S66-38544	S66-38493	43	67:50	"	Canary Islands, looking east to coast of Africa
36	S66-38545	S66-38494	43	67:51	"	Spanish Sahara, Mauritania, coast of Africa,
37	S66-38546	S66-38495	43	67:52	"	Spanish Sahara, Mauritania, Yetti plains looking east,
38	S66-38547	S66-38496	43	67:52	"	Spanish Sahara, Mauritania, Mali, Algeria, Hamada Du Dra, Erg Iguidi,
39	S66-38548	S66-38497	43	67:53	"	Algeria, Mali, Mauritania, Erg Chech, image degraded due window fog
40	S66-38549	S66-38498	43	67:53	"	Algeria, Mali, Mauritania, Erg Chech, image degraded due window fog
41	S66-38550	S66-38499	43	67:59	"	Libya; Idehan Desert looking eastward image degraded due window fog

FRAME NO.	NASA/MSC COLOR NO.	NASA/MSC B & W NO.	REVOLUTION NO.	G.E.T. TIME	(MSC) DATE	LOCATION AND IDENTIFICATION
42	S66-38551	S66-38500	43	68:00	June 6, '66	Libya, Al Harju Al Aswad Uplift
43	S66-38552	S66-38501	43	68:00	"	Libya, Al Harju Al Aswad Uplift
44	S66-38553	S66-38502	43	68:00	"	Libya-Chad-Niger, Tibesti Mts. looking southeast
45	S66-38554	S66-38503	43	68:01	"	Libya, Featureless Desert (Serir of Sarra)
46	S66-38555	S66-38504	43	68:03	"	Egypt-Sudan-Libya-Chad; Uwaynat Structure, Featureless Desert
47	S66-38556	S66-38505	43	68:05	"	Ethiopia (Eritrea) and Sudan (Kassala)
48	S66-38557	S66-38506	43	68:05	"	Ethiopia-Sudan-Saudi Arabia, looking east across Red Sea
49	S66-38558	S66-38507	43	68:05	"	Ethiopia-Sudan-Yemen-Saudi Arabia, looking east across Red Sea
50	S66-38559	S66-38508	43	68:06	"	Ethiopia-Yemen-Aden, Red Sea, Danakil Depression, looking southeast
51	S66-38560	S66-38509	43	68:06	"	Partial frame Ethiopia-Somali-French Somali Land Gulf of Aden

9. GEMINI X  
Ref. 8



GEMINI X (July 18-21, 1966)

## Cameras:

1. J.A. Maurer, 70mm Space Camera  
Lens: Xenotar 80mm Focal Length; F:2.8
2. Hasselblad, Super Wide Angle, 70mm  
Lens: Zeiss Bioton, 38mm Focal Length, F:4.5  
Rolls: 5, 28

Film: Eastman Kodak, Ektachrome, MS (S.O. 217)  
70mm Width, 55mm X 55mm Format

NOTE: Rendezvous distances from camera to nearest point on Agena #5005. Distance from camera to nose of approximately 8.3 feet (2.5 meters) accuracy of distances  $\pm 5\%$ . Ground Elapsed Times (G.E.T.) are estimated unless verified by pilot log entry or afe/rad o transmissions.

## 70MM PHOTOGRAPHY IDENTIFICATION

Lift Off: 22:20:26 GMT

Photography By: Cdr. John W. Young  
Maj. Michael Collins

Splashdown: 21:07:11 GMT

Identification By: R. W. Underwood, NASA/MSC/BL

Duration: 70 hrs. 46 min. 45 sec.

Date: August 5, 1966 (Second Revision)

## Altitudes in Nautical Miles (approximate)

Revolution Nos.	Apogee	Perigee
2 - 4	161	161
4 - 13	410	161
14 - Ret.	209	209

## MAGAZINE #, SERIAL NUMBER 5

FRAME NO.	NASA/MSC COLOR NO.	NASA/MSC B & W NO.	REVOLUTION NO.	G.E.T. TIME	DATE (MSC)	LOCATION AND IDENTIFICATION
1	-	-				Blank
2	S66-46111	S66-46171	4	5:40	7/18/66	Agena #5005, Side view, Range 30M or 98 ft.
3	S66-46112	S66-46172	4	5:40	"	Agena #5005, Side view, Range 30M or 98 ft.
4	S66-46113	S66-46173	4	5:40	"	Agena #5005, Side view, Range 26M or 85 ft.
5	S66-46114	S66-46174	4	5:40	"	Agena #5005, Side view, Range 26M or 85 ft.
6	S66-46115	S66-46175	4	5:42	"	Agena #5005, Side view, Range 20M or 65 ft.
7	S66-46116	S66-46176	4	5:42	"	Agena #5005, Side view, Range 20M or 65 ft.
8	S66-46117	S66-46177	4	5:42	"	Agena #5005, Side view, Range 15M or 62 ft.
9	S66-46118	S66-46178	4	5:42	"	Agena #5005, Side view, Range 15M or 62 ft.
10	S66-46119	S66-46179	4	5:43	"	Agena #5005, Side view, Range 16M or 52 ft.
11	S66-46120	S66-46180	4	5:43	"	Agena #5005, Side view, Range 16M or 52 ft.
12	S66-46121	S66-46181	4	5:43	"	Agena #5005, Side view, Range 14M or 46 ft.
13	S66-46122	S66-46182	4	5:43	"	Agena #5005, Side view, Range 14M or 46 ft.
14	S66-46123	S66-46183	4	5:43	"	Agena #5005, Side view, Range 15.5M or 51 ft.
15	S66-46124	S66-46184	4	5:43	"	Agena #5005, Side view, Range 15M or 49 ft.
16	S66-46125	S66-46185	4	5:44	"	Agena #5005, Side view, Range 15.5M or 51 ft.
17	S66-46126	S66-46186	4	5:44	"	Agena #5005, Side view, Range 8.5M or 28 ft.
18	S66-46127	S66-46187	4	5:44	"	Agena #5005, Side view, Range 8.3M or 27 ft.
19	S66-46128	S66-46188	4	5:45	"	Agena #5005, Docking adapter turning toward spacecraft, Range 7.4M or 24 ft.

## MAGAZINE SERIAL NO. 5

FRAME NO.	NASA/MSC COLOR NO.	NASA/MSC B & W NO.	REVOLUTION NO.	G.E.T. TIME	DATE (MSC)	LOCATION AND IDENTIFICATION
20	S66-46129	S66-46189	4	5:45	7/18/66	Agena #5005, Docking Adapter turning toward spacecraft, Range 7.0M or 23 ft.
21	S66-46130	S66-46190	4	5:45	"	Agena #5005, Docking Adapter turning toward spacecraft, Range 7.0M or 23 ft.
22	S66-46131	S66-46191	4	5:45	"	Agena #5005, Docking Adapter turning toward spacecraft, Range 7.8M or 26 ft.
23	S66-46132	S66-46192	4	5:45	"	Agena #5005, Docking Adapter turning toward spacecraft, Range 7.6M or 25 ft.
24	S66-46133	S66-46193	4	5:45	"	Agena #5005, Docking Adapter turning toward spacecraft, Range 7.5M or 25 ft.
25	S66-46134	S66-46194	4	5:58	"	Agena #5005, Docked.
26	S66-46135	S66-46195	4	5:58	"	Agena #5005, Docked.
27	S66-46136	S66-46196	4	6:05	"	Agena #5005, Docked, Agena display panel clearly seen.
28	S66-46137	S66-46197	4	6:05	"	Agena #5005, Docked, Agena display panel clearly seen.
29	S66-46138	S66-46198	4	6:05	"	Agena #5005, Docked, Agena display panel clearly seen.
30	S66-46139	S66-46199	4	6:05	"	Agena #5005, Docked, Agena display panel clearly seen.
31	S66-46140	S66-46200	4	6:05	"	Agena #5005, Docked, Agena display panel clearly seen.
32	S66-46141	S66-46201	4	6:05	"	Agena #5005, Docked, Agena display panel clearly seen.
33	S66-46142	S66-46202	4	6:06	"	Agena #5005, Docked, Agena display panel clearly seen.
34	S66-46143	S66-46203	4	6:06	"	Agena #5005, Docked, Agena display panel clearly seen.
35	S66-46144	S66-46204	4	6:06	"	Agena #5005, Docked, Agena display panel clearly seen.
36	S66-46145	S66-46205	4	6:06	"	Agena #5005, Docked, Agena display panel clearly seen.
37	S66-46146	S66-46206	4	6:07	"	Agena #5005, Docked.
38	S66-46147	S66-46207	4	6:07	"	Agena #5005, Docked.
39	S66-46148	S66-46208	4	6:07	"	Agena #5005, Docked.
40	S66-46149	S66-46209	4	6:08	"	Agena #5005, Docked.
41	S66-46150	S66-46210	4	6:08	"	Agena #5005, Docked.
42	S66-46151	S66-46211	6	8:40	7/19/66	Small portion docked Agena #5005, mostly sky, Africa, Arabia, Red Sea, Gulf of Aden.
43	S66-46152	S66-46212	6	8:40	"	Small portion docked Agena #5005, mostly sky, Africa, Arabia, Red Sea, Gulf of Aden.
44	S66-46153	S66-46213	6	8:40	"	Small portion docked Agena #5005, mostly sky, Africa, Arabia, Red Sea, Gulf of Aden.
45	S66-46154	S66-46214	6	8:41	"	Small portion docked Agena #5005, mostly sky, Africa, Arabia, Red Sea, Gulf of Aden.
46	-	-	-	-	-	Blank
47	S66-46155	S66-46215	10	15:05	"	Window, mostly sky, Earth limb off west coast of Africa.
48	S66-46156	S66-46216	10	15:05	"	Window, mostly sky, Earth limb off west coast of Africa.
49	S66-46157	S66-46217	10	15:05	"	Window, mostly sky, Earth limb off west coast of Africa.
50	S66-46158	S66-46218	10	15:06	"	Window, mostly sky, Earth limb off west coast of Africa.
51	S66-46159	S66-46219	10	15:06	"	Window, mostly sky, Earth limb off west coast of Africa.
52	S66-46160	S66-46220	10	15:06	"	Window, mostly sky, Earth limb off west coast of Africa.
53	S66-46161	S66-46221	10	15:21	"	Window, mostly sky, Earth limb, Nile Delta, Med. Sea, Iraq, Israel, Jordan, Syria, Turkey, Cyprus
54	S66-46162	S66-46222	10	15:21	"	Window, mostly sky, Earth limb, Nile Delta, Med. Sea, Iraq, Israel, Jordan, Syria, Turkey, Cyprus
55	S66-46163	S66-46223	11	18:08	"	Window, mostly sky, Earth limb, Yucatan, Mexico-Guatemala, Br. Honduras, Gulf of Mexico
56	S66-46164	S66-46224	11	18:08	"	Window, mostly sky, Earth limb, Yucatan, Mexico-Guatemala, Br. Honduras, Gulf of Mexico
57	S66-46165	S66-46225	11	18:08	"	Window, mostly sky, Earth limb, Yucatan, Mexico-Guatemala, Br. Honduras, Gulf of Mexico

FRAME NO.	NASA/MSC COLOR NO.	NASA/MSC B & W NO.	REVOLUTION NO.	G.E.T. TIME	DATE (MSC)
58	S66-46166	S66-46226			
59	S66-46167	S66-46227			
60	S66-46168	S66-46228			
61	S66-46169	S66-46229			
62	S66-46170	S66-46230			

LOCATION AND IDENTIFICATION

Agena #5005 Docked.  
 Agena #5005 Docked.  
 Agena #5005 Docked, L-Band antenna only.  
 Agena #5005 Docked, Sky and Horizon.  
 Agena #5005 Docked, Sky and Horizon.

MAGAZINE SERIAL NUMBER 10

FRAME NO.	NASA/MSC COLOR NO.	NASA/MSC B & W NO.	REVOLUTION NO.	G.E.T. TIME	DATE (MSC)
1	S66-45651	S66-45701	2	1:43	7/18/66
2	S66-45652	S66-45702	2	1:43	"
3	S66-45653	S66-45703	2	2:40	"
4	S66-45654	S66-45704	2	2:50	"
5	S66-45655	S66-45705	2	3:02	"
6	S66-45656	S66-45706	2	3:02	"
7	S66-45657	S66-45707	2	3:02	"
8	S66-45658	S66-45708	2	3:02	"
9	S66-45659	S66-45709	5	7:09	"
10	S66-45660	S66-45710	5	7:40	7/19/66
11	S66-45661	S66-45711	5	7:40	"
12	S66-45662	S66-45712	5	7:40	"
13	S66-45663	S66-45713	5	7:40	"
14	S66-45664	S66-45714	6	8:18	"
15	S66-45665	S66-45715	6	8:18	"
16	S66-45666	S66-45716	7	10:10	"
17	S66-45667	S66-45717	7	10:10	"
18	S66-45668	S66-45718	9	13:27	"
19	S66-45669	S66-45719	9	13:27	"
20	S66-45670	S66-45720	10	15:09	"
21	S66-45671	S66-45721	10	15:11	"
22	S66-45672	S66-45722	10	15:11	"
23	S66-45673	S66-45723	10	15:12	"
24	S66-45674	S66-45724	10	15:13	"
25	S66-45675	S66-45725	10	15:14	"

LOCATION AND IDENTIFICATION

Clouds near terminator, sunlit tops.  
 Clouds near terminator, sunlit tops.  
 Atoll, Pacific Ocean, clouds  
 Clouds over Pacific Ocean.  
 Guadalupe Island (in hole in clouds) Baja California, Gulf of California in background.  
 Guadalupe Island (in hole in clouds) Baja California, Gulf of California in background.  
 Guadalupe Island (in hole in clouds) Salton Sea, San Diego-Los Angeles area.  
 Pacific coast of California, Los Angeles south to Cabo Colnett in Mexico.  
 Atolls of Maldive Island in Indian Ocean, Suvadiva Atoll, Hadsumati Atoll.  
 Clouds, mostly sky.  
 Clouds, mostly sky.  
 Clouds, mostly sky.  
 Clouds, mostly sky.  
 Clouds, mostly sky near high apogee, 476 stat. miles.  
 Clouds, mostly sky near high apogee, 476 stat. miles.  
 Docked, part of Agena, clouds over water near high apogee.  
 Docked, part of Agena, clouds over water near high apogee.  
 Clouds over water, mostly window and sky near high apogee.  
 Clouds over water, mostly window and sky near high apogee.  
 Africa, Mali, looking southwest.  
 Africa, Mali, Mauritania, Upper Volta, Niger, Timbuctu area looking southwest.  
 Africa, Mali, Niger, Tiguirirt Basin, looking south.  
 Africa, Mali, Niger, Talak Basin, Air-au-azbine and Adrar-des-Iforas Mountains, looking southwest.  
 Africa, Niger, Algeria, Air-au-azbine Mountains, looking southwest.  
 Africa, Niger, Algeria, Tenere of Tibesti, Tenre Desert, looking southwest.

FRAME NO.	NASA/MSC COLOR NO.	NASA/MSC B & W NO.	REVOLUTION NO.	G.E.T. TIME	DATE (MSC)	LOCATION AND IDENTIFICATION
26	566-45676	566-45726	10	15:14	7/19/66	Africa, Niger, Tenere of Tibesti, Tibesti Mountains, looking southwest.
27	566-45677	566-45727	10	15:15	"	Africa, Niger, Libya, Tibesti Mountains, looking south.
28	566-45678	566-45728	10	15:15	"	Africa, Niger, Libya, Egypt, Sudan, Serir of Sarra Desert, Great Sand Sea.
29	566-45679	566-45729	10	15:16	"	Egypt, Saudi Arabia, Sudan, Red Sea, looking southwest
30	566-45680	566-45730	10	15:16	"	Egypt, Sudan, Red Sea, Saudi Arabia, (Hejaz) looking southwest.
31	566-45681	566-45731	10	15:16	"	Egypt, Sudan, Red Sea, Saudi Arabia, (Hejaz) looking southwest.
32	566-45682	566-45732	11	18:03	"	Clouds over water, stereo with 33.
33	566-45683	566-45733	11	18:03	"	Clouds over water, stereo with 32.
34	566-45684	566-45734	11	18:04	"	Clouds over water, Eastern Pacific.
35	566-45685	566-45735	11	18:04	"	Clouds over water, Eastern Pacific.
36	566-45686	566-45736	11	18:08	"	Mexico (Yucatan), Central America, Gulf of Mexico, Caribbean Sea, Pacific Ocean, looking west.
37	566-45687	566-45737	11	18:08	"	Mexico (Yucatan), Central America, Gulf of Mexico, Caribbean Sea, Pacific Ocean, looking west.
38	566-45688	566-45738	11	18:08	"	Mexico (Yucatan Peninsula) Gulf of Mexico, Caribbean Sea, Yucatan Channel, west end of Cuba, looking west.
39	566-45689	566-45739	11	18:10	"	Florida Peninsula, West half of Cuba, Florida Straits, Gulf of Mexico, looking northwest.
40	566-45690	566-45740	11	18:10	"	Florida Peninsula, West half of Cuba, Florida Straits, Gulf of Mexico, looking northwest.
41	566-45691	566-45741	11	18:10	"	Cuba (west half) Yucatan Peninsula, Gulf of Mexico, Caribbean Sea, looking west.
42	566-45692	566-45742	11	18:11	"	Cuba, Florida-Georgia-Carolina coast on horizon, storm east of Bahamas (Hurricane Celia) looking west.
43	566-45693	566-45743	11	18:11	"	Cuba, Florida-Georgia-Carolina coast on horizon, storm east of Bahamas (Hurricane Celia) looking west.
44	566-45694	566-45744	12	18:25	"	Straits of Gibraltar, Spain-Portugal in background, Morocco in foreground.
45	566-45695	566-45745	12	18:25	"	Straits of Gibraltar, Spain-Portugal in background, Morocco in foreground.
46	566-45696	566-45746	12	18:25	"	Straits of Gibraltar, Spain-Portugal in background, Morocco in foreground.
47	566-45697	566-45747	12	18:25	"	Straits of Gibraltar, Spain-Portugal in background, Morocco-Algeria in foreground.
48	566-45698	566-45748	12	18:26	"	Straits of Gibraltar, Spain in background, Morocco-Algeria in foreground.
49	566-45699	566-45749	12	18:26	"	Straits of Gibraltar, Mediterranean Sea, Spain in background, Algeria-Morocco in foreground.
50	566-45700	566-45750	12	18:27	"	Straits of Gibraltar, Mediterranean Sea, Algeria-Morocco looking northwest.

## MAGAZINE SERIAL NUMBER 11

FRAME NO.	NASA/MSC COLOR NO.	NASA/MSC B & W NO.	REVOLUTION NO.	G.E.T. TIME	DATE (MSC)	LOCATION AND IDENTIFICATION
1	-	-				Clouds horizon sky, overexposed
2	S66-45837	S66-45883	32		7/20/66	Spacecraft nose, underexposed.
3	S66-45838	S66-45884	32		"	Spacecraft nose, underexposed.
4	S66-45839	S66-45885	32		"	Clouds over water, horizon.
5	S66-45840	S66-45886	32		"	Clouds over water, horizon.
6	S66-45841	S66-45887	32	52:16	"	Clouds over water, horizon.
7	S66-45842	S66-45888	32	52:17	"	Midway Island, Kure (Ocean) Island.
8	S66-45843	S66-45889	32	52:17	"	Midway Island, Kure (Ocean) Island.
9	S66-45844	S66-45890	32	52:18	"	Pearl and Hermes Reef, east of Midway 100 miles.
10	S66-45845	S66-45891	32	52:18	"	Pearl and Hermes Reef, east of Midway 100 miles.
11	S66-45846	S66-45892	32	53:23	"	Clouds, Atolls of Chagos Archipelago, Egmont Islands, Indian Ocean.
12	S66-45847	S66-45893	32	53:23	"	Clouds, Atolls of Chagos Archipelago, Diego Garcia Island, Egmont Island, Three Brothers, Indian Ocean.
-64- 13	S66-45848	S66-45894	32	53:23	"	Clouds, Atolls of Chagos Archipelago, Diego Garcia Island, Egmont Island, Three Brothers
14	S66-45849	S66-45895	32	53:26	"	Clouds, Atolls of Chagos Archipelago, Diego Garcia Island, Salmon Islands.
15	S66-45850	S66-45896	33	53:26	"	Atolls, Maldiv Islands of Suvaiva and Addu in Indian Ocean.
16	S66-45851	S66-45897	33	53:26	"	Atolls, Maldiv Islands of Suvaiva and Addu in Indian Ocean.
17	S66-45852	S66-45898	33	53:26	"	Atolls, Maldiv Islands of Addu, Suvaiva, Haddummati, Kolumadulu, Nilandu (South to North)
18	S66-45853	S66-45899	33	53:26	"	Atolls, Maldiv Islands of Addu, Suvaiva, Haddummati, Kolumadulu, Nilandu (South to North) looking southwest.
19	S66-45854	S66-45900	33	53:27	"	Atolls, Maldiv Islands of Addu, Suvaiva, Haddummati, Kolumadulu, (South to North) looking southwest.
20	S66-45855	S66-45901	33	53:27	"	Atolls, Maldiv Islands of Suvaiva, Haddummati, Kolumadulu (South to North) looking southwest.
21	S66-45856	S66-45902	33	53:27	"	Cloud streaks over water.
22	S66-45857	S66-45903	33	53:28	"	Cloud streaks over water, Atolls of Maldiv Islands, Indian Ocean, looking southwest.
23	S66-45858	S66-45904	33	53:28	"	Cloud streaks over water.
24	S66-45859	S66-45905	33	53:28	"	Cloud streaks over water.
25	S66-45860	S66-45906	33	53:38	"	China (left), Taiwan (right), Formosa Strait, looking north.
26	S66-45861	S66-45907	33	53:38	"	China (left), Taiwan (right), Formosa Strait, looking north.
27	S66-45862	S66-45908	33	53:38	"	China, Parts of Fukien, Chekiang, and Kwangtung Provinces, looking north up coast.
28	S66-45863	S66-45909	33	53:38	"	China, Parts of Fukien, Kwangtung, Hunan, Kiangsi, Hupeh Provinces, looking northwest, Yangtze Lakes.
29	S66-45864	S66-45910	33	53:39	"	China, Fukien Province, Taiwan, Formosa Strait, Pescadores Islands, looking north.
30	S66-45865	S66-45911	33	53:39	"	China, Parts of Fukien, Chekiang Provinces, Formosa Strait, Pescadores Islands, Hang Chow Wan, looking north.
31	S66-45866	S66-45912	33	53:39	"	China, Fukien Province, Formosa Strait, Taiwan, Pescadores Islands, looking northwest.
32	S66-45867	S66-45913	33	53:39	"	China, Fukien Province, Taiwan, Formosa Strait, looking northwest.
33	S66-45868	S66-45914	33	53:39	"	Taiwan (South Half), Kaohsiung City.
34	S66-45869	S66-45915	33	53:41	"	Ryukyu Islands, Sakishima Gunto Group, Iriomote Jima, Ishigaki Shima.
35	S66-45870	S66-45916	33	53:42	"	Daito Islands, Kita Daito Jima.

MAGAZINE SERIAL NUMBER 11

<u>FRAME</u> <u>NO.</u>	<u>NASA/MSC</u> <u>COLOR NO.</u>	<u>NASA/MSC</u> <u>B &amp; W NO.</u>	<u>REVOLUTION</u> <u>NO.</u>	<u>G.E.T.</u> <u>TIME</u>	<u>DATE</u> <u>(MSC)</u>	<u>LOCATION AND IDENTIFICATION</u>
36	S66-45871	S66-45917	33	53:42	7/20/66	Daito Islands, Kita Daito Jima.
37	S66-45872	S66-45918	33	"	"	Clouds over water.
38	S66-45873	S66-45919	33	"	"	Clouds over water, Island.
39	S66-45874	S66-45920	33	"	"	Clouds over water, Sea Mount.
40	S66-45875	S66-45921	33	"	"	Clouds over water.
41	S66-45876	S66-45922	33	"	"	Clouds over water.
42	S66-45877	S66-45923	34	54:57	"	Clouds over water, several layers, several types, coastline of East Africa in background.
43	S66-45878	S66-45924	34	54:57	"	Clouds over water, several layers, several types, coastline of East Africa in background.
44	S66-45879	S66-45925	34	54:58	"	Clouds over water, several layers, several types, Indian Ocean.
45	S66-45880	S66-45926	34	54:58	"	Clouds over water, several layers, several types, Indian Ocean.
46	S66-45881	S66-45927	34	54:58	"	Clouds over water, several layers, several types, Indian Ocean.
47	S66-45882	S66-45928	34	54:58	"	Clouds over water, several layers, several types, Indian Ocean.

## MAGAZINE SERIAL NUMBER 12

FRAME NO.	NASA/MSC COLOR NO.	NASA/MSC B & W NO.	REVOLUTION NO.	G.E.T. TIME	DATE (MSC)	LOCATION AND IDENTIFICATION
1	566-45929	566-45973	34	54:58	7/20/66	Clouds, horizon, mostly sky.
2	-	-				Blank
3	566-45930	566-45974	34	54:58	"	Clouds, horizon, mostly sky, Gulf of Tonkin.
4	566-45931	566-45975	34	54:59	"	Viet Nam (North) Hanoi, Red River Valley, Gulf of Tonkin looking northeast.
5	566-45932	566-45976	34	54:59	"	Tonkin Gulf, clouds, mostly sky.
6	566-45933	566-45977	34	54:59	"	Viet Nam (North) Hanoi, Haiphong area, Red River Delta, Gulf of Tonkin.
7	566-45934	566-45978	34	54:59	"	Viet Nam (North) China (Kwangsi Province), Red River plains, looking northeast.
8	566-45935	566-45979	34	55:00	"	Viet Nam (North and South) looking south along coast of Tonkin Gulf, Red River Delta, Hanoi, Haiphong
9	566-45936	566-45980	34	55:00	"	Clouds over Viet Nam (North), China (Kwangsi Province) Tonkin Gulf, looking northeast.
10	566-45937	566-45981	34	55:00	"	China (Kwangsi Province).
11	566-45938	566-45982	34	55:00	"	China (Kwangsi Province).
12	566-45939	566-45983	34	55:00	"	China (Kwangsi Province), Viet Nam (North), looking east.
13	566-45940	566-45984	34	55:00	"	Viet Nam (North & South), Red River Delta, Hanoi-Haiphong, Tonkin Gulf, looking south.
14	566-45941	566-45985	34	55:01	"	Viet Nam (North), China (Kwangsi Province), looking northeast, Tonkin Gulf.
15	566-45942	566-45986	34	55:01	"	Viet Nam (North), China (Kwangsi Province), looking northeast, Tonkin Gulf.
16	566-45943	566-45987	34	55:02	"	China (Kwangtung Province), South China Sea coastline.
17	566-45944	566-45988	34	55:02	"	China (Kwangtung Province), South China Sea coastline.
18	566-45945	566-45989	34	55:02	"	China (Kwangtung Province), South China Sea coastline.
19	566-45946	566-45990	34	55:02	"	China (Kwangtung Province), South China Sea coastline.
20	566-45947	566-45991	34	55:02	"	China (Kwangtung and Kwangsi Provinces) South China Sea coastline.
21	566-45948	566-45992	34	55:02	"	China (Kwangsi and Kwangtung Provinces), looking east.
22	-	-				Blank
23	566-45949	566-45993	34	55:03	"	China, Fukien and Kwangtung Provinces.
24	566-45950	566-45994	34	55:03	"	China, Fukien Province, Formosa Strait.
25	566-45951	566-45995	34	55:03	"	China, Fukien and Kwangtung Provinces, Formosa Strait, Pescadores Island, Quemoy Island looking southeast.
26	566-45952	566-45996	34	55:03	"	China, Fukien Province, Amoy City, Quemoy Island, Formosa Strait, Taiwan, looking southeast.
27	566-45953	566-45997	34	55:03	"	China, Fukien Province, Fuchou City, Formosa Strait, Pescadores Islands.
28	566-45954	566-45998	34	55:04	"	Taiwan looking south.
29	566-45955	566-45999	34	55:04	"	Taiwan, China (Fukien Province) looking south.
30	566-45956	566-46000	34	55:05	"	Taiwan, looking south.
31	566-45957	566-46001	34	55:05	"	China, Fukien-Kiangsi-Chekiang Provinces, Poyang Hu-Tungting Hu Reservoirs, East China Sea looking northwest.
32	566-45958	566-46002	34	55:05	"	China, Fukien-Kiangsi-Chekiang Provinces, Wenchou City, Poyang Hu Reservoir, East China Sea looking northwest.
33	566-45959	566-46003	34	55:05	"	Taiwan, Formosa Strait, Coast of China (Fukien Province) looking south.
34	-	-				Blank
35	566-45960	566-46004	34	55:06	"	China, Coast of Jiang Province, Hangchow Wan, East China Sea, looking northwest.

FRAME NO.	NASA/MSC COLOR NO.	NASA/MSC B & W NO.	REVOLUTION NO.	G.E.T. TIME	DATE (MSC)	LOCATION AND IDENTIFICATION
36	S66-45961	S66-46005	34	55:06	7/20/66	China, Coast of Chekiang Province, Hangchow Wan, East China Sea, looking northwest.
37	S66-45962	S66-46006	34	55:06	"	China, Chekiang-Kiangsu Provinces, Shanghai Shih, Hangchow Wan, looking north.
38	S66-45963	S66-46007				Double Exposure.
39	S66-45964	S66-46008				Clouds over water.
40	S66-45965	S66-46009				Clouds over water.
41	S66-45966	S66-46010				Clouds over water.
42	S66-45967	S66-46011				Clouds over water.
43	-	-				Blank
44	S66-45968	S66-46012				Clouds over water near terminator.
45	S66-45969	S66-46013				Clouds over water near terminator.
46	S66-45970	S66-46014				Clouds over water near terminator.
47	S66-45971	S66-46015				Clouds over water near terminator.
48	S66-45972	S66-46016	38	62:33	7/21/66	Peru-Brazil, Valley of Ucayali Amazon, Road to Pucallpa visible, Cordillera Oriental on west edge.

1  
9 MAGAZINE SERIAL NUMBER 13

FRAME NO.	NASA/MSC COLOR NO.	NASA/MSC B & W NO.	REVOLUTION NO.	G.E.T. TIME	DATE (MSC)	LOCATION AND IDENTIFICATION
1	S66-46017	S66-46064				Color Patch, exposed in laboratory.
2	S66-46018	S66-46065				Color Patch, exposed in laboratory.
3	S66-46019	S66-46066				Color Patch, exposed in laboratory.
4	S66-46020	S66-46067				Color Patch, exposed in laboratory.
5	S66-46021	S66-46068				Color Patch, exposed in laboratory.
6	S66-46022	S66-46069				Color Patch, exposed in laboratory.
7	S66-46023	S66-46070	14	23:30	7/19/66	Color Patch, exposed EVA in its own shadow, F = 8 @ 1/250 th second.
8	S66-46024	S66-46071	14	23:30	"	Color Patch, exposed EVA, F = 8 @ 1/250 th second.
9	S66-46025	S66-46072	14	23:30	"	Color Patch, exposed EVA, F = 8 @ 1/250 th second.
10	S66-46026	S66-46073	14	23:30	"	Color Patch, exposed EVA, F = 8 @ 1/250 th second.
11	S66-46027	S66-46074				Out of focus, did not refocus after Color Patch experiment.
12	S66-46028	S66-46075				Out of focus, did not refocus after Color Patch experiment.
13	S66-46029	S66-46076				Clouds over water.
14	S66-46030	S66-46077	18	28:12	7/19/66	Peru, Brazil, Ucayali Amazon in foreground, Andes with Huascaran Volcano (22205') background looking west.
15	S66-46031	S66-46078	18	28:12	"	Peru, Brazil, Ucayali Amazon in foreground, Andes with Huascaran Volcano (22205') background looking west.



FRAME NO.	NASA/MSC COLOR NO.	NASA/MSC B & W NO.	REVOLUTION NO.	G.E.T. TIME	DATE (MSC)	LOCATION AND IDENTIFICATION
16	S66-46032	S66-46079	18	28:13	7/19/66	Peru, Brazil, Ucayali Amazon in background, Andes with Huascaran Volcano (22205') background, looking west.
17	S66-46033	S66-46080	18	28:13	7/20/66	Peru, Brazil, Ucayali Amazon in background, Andes with Huascaran Volcano (22205') background, looking west.
18	S66-46034	S66-46081	25	41:12	"	Costa Rica-Nicaragua-Panama, Pacific Ocean foreground, Caribbean Sea background, looking NE.
19	S66-46035	S66-46082	25	41:12	"	Costa Rica-Nicaragua-Panama, Pacific Ocean foreground, Caribbean Sea background, looking NE.
20	S66-46036	S66-46083	25	41:12	"	Costa Rica-Nicaragua-Panama, Pacific Ocean foreground, Caribbean Sea background, looking NE.
21	S66-46037	S66-46084	25	41:12	"	Costa Rica-Nicaragua, Pacific Ocean foreground, Caribbean Sea background, Lake Nicaragua.
22	S66-46038	S66-46085	26	41:20	"	Clouds over water, unique vortex, Canary Island Area.
23	S66-46039	S66-46086	26	41:20	"	Clouds over water, unique vortex, Canary Island Area.
24	S66-46040	S66-46087	26	41:20	"	Clouds over water, unique vortex, Canary Island Area.
25	S66-46041	S66-46088	26	41:21	"	Straits of Gibraltar, Spain-Portugal left, Morocco right, Atlantic foreground, unique vortex.
26	S66-46042	S66-46089	26	41:21	"	Straits of Gibraltar, Spain-Portugal left, Morocco right, Atlantic Ocean foreground, unique vortex.
27	S66-46043	S66-46090	26	41:21	"	Straits of Gibraltar, Spain-Portugal left, Morocco right, Atlantic Ocean foreground, unique vortex.
28	S66-46044	S66-46091	26	41:21	"	Straits of Gibraltar, Spain-Portugal left, Morocco right, Atlantic Ocean foreground, unique vortex.
29	S66-46045	S66-46092	39	62:32	7/21/66	Brazil-Amazon Basin in Amazonas State, mostly cloud covered.
30	S66-46046	S66-46093	39	62:32	"	Brazil-Amazon Basin in Amazonas State, mostly cloud covered.
31	S66-46047	S66-46094	39	62:32	"	Brazil-Amazon Basin in Amazonas State, mostly cloud covered.
32	S66-46048	S66-46095	39	62:32	"	Brazil-Amazon Basin in Amazonas State, mostly cloud covered.
33	S66-46049	S66-46096	39	62:33	"	Brazil-Guayana, Guiana Highlands, upper Rio Branco-Essequibo Valleys.
34	S66-46050	S66-46097	39	62:34	"	Venezuela-Guayana-Brazil, Guiana Highlands, Upper Rio Branco.
35	S66-46051	S66-46098	39	62:35	"	Venezuela, looking north, Orinoco Basin.
36	S66-46052	S66-46099	39	62:35	"	Guayana-Venezuela-Trinidad, mouths of Orinoco and Essequibo- looking north, no clouds over rivers.
37	S66-46053	S66-46100	39	62:36	"	Guayana-Venezuela-Trinidad, mouths of Orinoco, looking north, no clouds over rivers.
38	S66-46054	S66-46101	39	62:36	"	Guayana-Venezuela-Surinam-Trinidad, Mouths of Orinoco and Essequibo, no cumulus clouds over rivers.
39	S66-46055	S66-46102	39	62:37	"	Guayana-Surinam, coastal areas, Atlantic Ocean, Paramaribo.
40	S66-46056	S66-46103	39	62:37	"	Surinam, coastal area, Paramaribo, Atlantic Ocean, Stream silt discharge clearly seen.
41	S66-46057	S66-46104	39	62:37	"	Surinam-French Guiana-Guayana, looking southwest, Atlantic coastal area in foreground.
42	S66-46058	S66-46105	39	62:38	"	Surinam-French Guiana-Guayana, looking southwest, Atlantic coastal area in foreground.
43	S66-46059	S66-46106	39	62:38	"	Surinam-French Guiana-Guayana, looking southwest, Atlantic coastal area in foreground.
44	S66-46060	S66-46107	39	62:48	"	Mauritania-Spanish Sahara, Levrier Bay, looking northeast into Sahara Desert.
45	S66-46061	S66-46108	39	62:49	"	Spanish Sahara-Mauritania-Algeria-Morocco, looking northeast into Hamada Du Dra.
46	S66-46062	S66-46109	39	62:49	"	Spanish Sahara-Mauritania-Algeria-Morocco, looking north into Hamada Du Dra.
47	S66-46063	S66-46110	39	62:50	"	Spanish Sahara-Mauritania-Algeria-Morocco, looking north, good view of Atlas Mountains and Hamada Du Dra.

## MAGAZINE SERIAL NUMBER 14

FRAME NO.	NASA/MSC COLOR NO.	NASA/MSC B & W NO.	REVOLUTION NO.	G.E.T. TIME	DATE (MSC)	LOCATION AND IDENTIFICATION
1						Blank
2						Blank
3						L Band Antenna of Agena #5005, way underexposed.
4						Blank
5						Blank
6						Blank
7	S66-45751	S66-45794				Clouds over water, docked with Agena #5005, slight overexposure.
8	S66-45752	S66-45795				Clouds over water, docked with Agena #5005, slight overexposure.
9	S66-45753	S66-45796				Clouds over water, docked with Agena #5005, slight overexposure.
10	S66-45754	S66-45797				Clouds over water, docked with Agena #5005, slight overexposure.
11	S66-45755	S66-45798				Clouds over water, docked with Agena #5005, slight overexposure.
12	S66-45756	S66-45799				Clouds over water, docked with Agena #5005, slight overexposure.
13	S66-45757	S66-45800				Docked to Agena #5005, clearly see docking adapter.
14	S66-45758	S66-45801				Docked to Agena #5005, clearly see docking adapter.
15	S66-45759	S66-45802				Docked to Agena #5005, clearly see docking adapter.
16	S66-45760	S66-45803	28	46:08	7/20/66	Clouds, overexposed.
17	S66-45761	S66-45804	28	46:10	"	Clouds, overexposed, Gulf coast line of Texas and Mexico (Tamaulipas), looking East.
18	S66-45762	S66-45805	28	46:10	"	Texas-Mexico Gulf Coast looking East, Nuevo Leon-Tamaulipas States, coast from Matagorda Bay south to Boca Jesus Maria.
19	S66-45763	S66-45806	28	46:10	"	Mexico (Coahuila-Nuevo Leon States) Sabinas River Valley, Don Martin Reservoir.
20	S66-45764	S66-45807	28	46:10	"	Texas-Mexico (Tamaulipas) Gulf coast from Corpus Christi Bay south to Laguna Madre.
21	S66-45765	S66-45808	28	46:11	"	Texas Gulf Coast, Matagorda Island, Matagorda Bay, Gulf of Mexico.
22	S66-45766	S66-45809	28	46:11	"	Texas-Louisiana Gulf Coast from mouth of Brazos to Vermillion Bay, Houston-Galveston-MSC.
23	S66-45767	S66-45810	28	46:12	"	Clouds over Gulf of Mexico.
24	S66-45768	S66-45811	31	50:35	"	Umbilical cord bag discarded, clouds over water.
25	S66-45769	S66-45812	31	50:35	"	Umbilical cord bag discarded, clouds over water.
26	S66-45770	S66-45813	31	50:37	"	Clouds over water, door open.
27	S66-45771	S66-45814	31	50:38	"	Discarded debris, Chest pack.
28	S66-45772	S66-45815	31	50:39	"	Open hatch, out of focus.
29	S66-45773	S66-45816	31	50:39	"	Open hatch, out of focus.
30	S66-45774	S66-45817	31	51:00	"	Clouds over water, mostly sky, Agena #5003 in distance.
31	S66-45775	S66-45818	31	51:00	"	Clouds over water.
32	S66-45776	S66-45819	31	51:00	"	Clouds over water.
33	S66-45777	S66-45820	31	51:00	"	Clouds over water, Agena #5003 in distance.
34	S66-45778	S66-45821	31	51:01	"	Clouds over water, mostly sky, Agena #5003 in distance.
35	S66-45779	S66-45822	31	51:01	"	Clouds over water, mostly sky, Agena #5003 in distance.
36	S66-45780	S66-45823	31	51:01	"	Clouds over water, mostly sky, Agena #5003 in distance.
37	S66-45781	S66-45824	31	51:01	"	Docking bar against sky.
38	S66-45782	S66-45825	32	51:55	"	Indonesia, Sumatra Island, Simeulue Island, Nias Island, Andaman Sea, Indian Ocean, looking east.
39	S66-45783	S66-45826	32	51:55	"	Indonesia, Sumatra Island, Simeulue Island, Andaman Sea, Indian Ocean looking northeast.

FRAME NO.	NASA/MSC COLOR NO.	NASA/MSC B & W NO.	REVOLUTION NO.	G.E.T. TIME	DATE (MSC)
40	S66-45784	S66-45827	32	51:55	7/20/66
41	S66-45785	S66-45828	32	51:55	"
42	S66-45786	S66-45829	32	51:55	"
43	S66-45787	S66-45830	32	51:56	"
44	S66-45788	S66-45831	32	51:56	"
45	S66-45789	S66-45832	32	51:56	"
46	S66-45790	S66-45833	32	51:56	"
47	S66-45791	S66-45834	32	51:57	"
48	S66-45792	S66-45835	32	51:57	"
49	S66-45793	S66-45836	32	51:57	"

LOCATION AND IDENTIFICATION

Indonesia, Nias Island, Part of Sumatra, Indian Ocean.  
 Indonesia, part of Sumatra, Siberut Island, Mentawai Archipelago.  
 Indonesia, Siberut Island, Nias Island, Mentawai Archipelago.  
 Indonesia, west coast of Sumatra, Siberut Island, Mentawai Archipelago.  
 Indonesia, west coast of Sumatra, Nias Island, Mentawai Archipelago.  
 Indonesia, west coast of Sumatra, Siberut Island, Mentawai Archipelago.  
 Indonesia, west coast of Sumatra, Siberut Island, Mentawai Archipelago.  
 Indonesia, east coast of Sumatra, Straits of Malacca, Malasia.  
 Malasia, Straits of Malacca, Kuala Lumpur clearly seen, Gulf of Siam, Southern Thailand.  
 Indonesia, Anambas Islands, Malasia, (Aut Island), South China Sea.

MAGAZINE SERIAL NUMBER 28

FRAME NO.	NASA/MSC COLOR NO.	NASA/MSC B & W NO.	REVOLUTION NO.	G.E.T. TIME	DATE (MSC)
1					
2	S66-46231	S66-46288	12	18:25	7/19/66
3	S66-46232	S66-46289	12	18:25	"
4	S66-46233	S66-46290	12	18:25	"
5	S66-46234	S66-46291	12	18:26	"
6	S66-46235	S66-46292	12	18:26	"
7	S66-46236	S66-46293	12	18:26	"
8	S66-46237	S66-46294	12	18:27	"
9	S66-46238	S66-46295	12	18:28	"
10	S66-46239	S66-46296	12	18:28	"
11	S66-46240	S66-46297	12	18:29	"
12	S66-46241	S66-46298	12		
13	S66-46242	S66-46299	12		
14	S66-46243	S66-46300	12		
15	S66-46244	S66-46301	12		
16	S66-46245	S66-46302	12		
17	S66-46246	S66-46303	12		
18	S66-46247	S66-46304	12		

LOCATION AND IDENTIFICATION

Blank  
 Docked with Agena #5005, looking east toward Straits of Gibraltar, Iberian Peninsula left, Morocco right.  
 Docked with Agena #5005, looking east toward Straits of Gibraltar, Iberian Peninsula left, Morocco right.  
 Docked with Agena #5005, looking northeast toward Straits of Gibraltar, Iberian Peninsula left, Morocco right.  
 Docked with Agena #5005, looking northeast toward Straits of Gibraltar, Iberian Peninsula left, Morocco right, Agena #5005 in distance.  
 Docked with Agena #5005, looking northeast toward Straits of Gibraltar, Iberian Peninsula left, Morocco right, Agena #5003 in distance.  
 Docked with Agena #5005, looking northeast toward Mediterranean Sea, Algeria right, Agena #5003 in distance.  
 Docked with Agena #5005, looking northeast toward Mediterranean Sea and Algeria, Agena #5003 in distance.  
 Docked with Agena #5005, looking northeast toward Mediterranean Sea and Algeria.  
 Docked with Agena #5005, looking northeast toward Mediterranean Sea, Tunisia and Libya, Agena #5003 in distance.  
 Docked with Agena #5005, looking northeast toward Mediterranean Sea, and Libya.  
 Docked with Agena #5005, Spacecraft window showing debris on glass.  
 Docked with Agena #5005, Spacecraft window showing debris on glass.  
 Docked with Agena #5005, Spacecraft window showing debris on glass.  
 Docked with Agena #5005, Spacecraft window showing debris on glass.  
 Docked with Agena #5005, Limb near terminator.  
 Docked with Agena #5005, under exposed.  
 Docked with Agena #5005, excellent view of Agena display panel and L Band Antenna.

FRAME NO.	NASA/MSC COLOR NO.	NASA/MSC B & W NO.	REVOLUTION NO.	G.E.T. TIME	DATE (MSC)	LOCATION AND IDENTIFICATION
19	-	-				
20	-	-				
21	-	-				
22	-	-				
23	-	-				
24	-	-				
25	-	-				
26	-	-				
27	-	-		19:28	7/19/66	Green lights on display panel of Agena #5005.
28	S66-46248	S66-46305	12	19:38	"	Docked to Agena #5005, excellent view of Agena display panel and L Bank antenna.
29	S66-5249	S66-46306	12	19:38	"	Docked to Agena #5005, excellent view of Agena display panel, glow from Agena P.P.S.
30	S66-46250	S66-46307	12	19:39	"	Docked to Agena #5005, excellent view of Agena display panel.
31	S66-46251	S66-46308	12	19:39	"	Docked to Agena #5005, excellent view of Agena display panel.
32	S66-46252	S66-46309	12	19:39	"	Docked to Agena #5005, excellent view of Agena display panel.
33	S66-46253	S66-46310	12	19:39	"	Docked to Agena #5005, excellent view of Agena display panel, particles of Agena fuel.
34	S66-46254	S66-46311	12	19:39	"	Docked to Agena #5005, excellent view of Agena display panel, particles of Agena fuel.
35	S66-46255	S66-46312	12	19:39	"	Docked to Agena #5005, excellent view of Agena display panel, particles of Agena fuel.
36	S66-46256	S66-46313	12	19:39	"	Docked to Agena #5005, excellent view of Agena display panel, particles of Agena fuel.
37	S66-46257	S66-46314	12	19:39	"	Docked to Agena #5005, excellent view of Agena display panel, particles of Agena fuel.
38	S66-46258	S66-46315	12	19:39	"	Docked to Agena #5005, excellent view of Agena display panel, particles of Agena fuel.
39	S66-46259	S66-46316	12	19:40	"	Docked to Agena #5005, excellent view of Agena display panel, particles of Agena fuel.
40	S66-46260	S66-46317	12	19:40	"	Docked to Agena #5005, excellent view of Agena display panel, particles of Agena fuel.
41	S66-46261	S66-46318	12	19:40	"	Docked to Agena #5005, excellent view of Agena display panel, particles of Agena fuel.
42	S66-46262	S66-46319	12	19:40	"	Docked to Agena #5005, excellent view of Agena display panel, particles of Agena fuel.
43	S66-46263	S66-46320	12	19:40	"	Docked to Agena #5005, excellent view of Agena display panel, particles of Agena fuel.
44	S66-46264	S66-46321	12	19:41	"	Docked to Agena #5005, underexposed.
45	S66-46265	S66-46322	12	19:41	"	Docked to Agena #5005, underexposed.
46	S66-46266	S66-46323	12	19:50	"	Inside Gemini, underexposed, Cdr. J. W. Young.
47	S66-46267	S66-46324	12	19:50	"	Inside Gemini, underexposed, Cdr. J. W. Young.
48	S66-46268	S66-46325	12	19:51	"	Inside Gemini, Maj. M. Collins.
49	S66-46269	S66-46326	12	19:51	"	Inside Gemini, Maj. M. Collins.
50	S66-46270	S66-46327	12	19:52	"	Inside Gemini, Cdr. J. W. Young.
51	S66-46271	S66-46328	12	19:52	"	Inside Gemini, underexposed.
52	S66-46272	S66-46329	12	19:52	"	Inside Gemini, Maj. M. Collins.
53	S66-46273	S66-46330	12	19:53	"	Skin of Gemini X, sharp focus.
54	S66-46274	S66-46331	12	19:53	"	Skin of Gemini X, sharp focus.
55	S66-46275	S66-46332	12	19:53	"	Skin of Gemini X, sharp focus.
56	S66-46276	S66-46333				Docked to Agena #5005, underexposed, out of focus.
57	S66-46277	S66-46334				Docked to Agena #5005, excellent view of Agena display panel.
58	S66-46278	S66-46335				Clouds over water, docked Agena #5005.

<u>FRAHE</u> <u>NO.</u>	<u>NASA/HSC</u> <u>COLOR NO.</u>	<u>NASA/HSC</u> <u>B &amp; W NO.</u>	<u>REVOLUTION</u> <u>NO.</u>	<u>G.E.T.</u> <u>TIME</u>	<u>DATE</u> <u>(HSC)</u>	<u>LOCATION AND IDENTIFICATION</u>
59	S66-46279	S66-46336	14	21:40	7/19/66	Clouds over water, docked Agena #5005.
60	-	-				Blank
61	S66-46280	S66-46337	14	21:45	"	Docked to Agena #5005, coast of Africa (Mauritania-Spanish Sahara) in background.
62	S66-46281	S66-46338	14	21:45	"	Docked to Agena #5005, coast of Africa (Mauritania-Spanish Sahara) in background.
63	S66-46282	S66-46339	14	21:45	"	Docked to Agena #5005, coast of Africa (Mauritania-Spanish Sahara) in background.
64	S66-46283	S66-46340	14	21:46	"	Docked to Agena #5005, coast of Africa (Mauritania-Spanish Sahara) in background.
65	S66-46284	S66-46341	14	21:46	"	Docked to Agena #5005, coast of Africa (Mauritania-Spanish Sahara-Algeria) in background.
66	S66-46285	S66-46342	14	21:46	"	Docked to Agena #5005, coast of Africa (Mauritania-Spanish Sahara-Algeria) in background.
67	S66-46286	S66-46343	14	21:47	"	Docked to Agena #5005, coast of Africa (Mauritania-Spanish Sahara-Algeria) in background.
68	S66-46287	S66-46344	14	21:48	"	Docked to Agena #5005, coast of Africa (Mauritania-Spanish Sahara-Algeria) in background.

10. GEMINI XI  
Ref. 9

GEMINI XI (September 12 - 15, 1966)

## 70MM PHOTOGRAPHY IDENTIFICATION

## Cameras:

1. J. A. Maurer, 70mm Space Camera  
Lens: Zenator 80mm Focal Length; F: 2.8  
Rolls: 10, 11, 12
2. Hasselblad, Super Wide Angle, 70mm  
Lens: Zeiss Biogon, 38mm Focal Length; F: 4.5  
Rolls: 8, 9

Lift Off: 14:42:26 Zulu  
Splash Down: 13:58:20 Zulu  
Duration of flight: 71:15:54

Photography By: Cdr. Charles Conrad, Jr.  
Lt. Cdr. Richard F. Gordon, Jr.

Identification By: Richard W. Underwood, NASA/MSC/BL

Date: September 19, 1966

Film: Eastman Kodak, Ektachrome, M5 (S.O. 368)  
70mm width, 55mm x 55mm Format

Note: (1) Rendezvous distances from nearest point on Agena #5006  
Distance from camera to nose of Gemini is approximately 8.3 feet  
(2.5 meters). Accuracy of distances is  $\pm 5\%$ . (2) Ground elapsed  
times (G.E.T.) are estimated unless verified by pilot log entry  
or tape/radio transmission. (3) Agena tether line is 100 feet  
when fully deployed.

Note: Altitudes are in Nautical Miles  
Orbit altitudes: Revolutions 1 through 25 are about 160 Nautical  
Miles (290 kilometers) circular. Revolutions 26 and 27 Apogee  
740 Nautical Miles (1340 kilometers) and Perigee of 160 Nautical  
Miles. Revolutions 28 through 44 (Splashdown) are essentially  
160 Nautical Miles circular.

FRAME NO.	NASA/MSC COLOR NO.	NASA/MSC B & W NO.	REVOLUTION NO.	G.E.T. TIME	DATE (MSC)
--------------	-----------------------	-----------------------	-------------------	----------------	---------------

## LOCATION AND IDENTIFICATION

MAGAZINE # 8

1	S66-54652	S66-54589	16	25:45	9/13/66	Inside spacecraft, Gordon's hand, helmet, Hatch open, used equipment jetison
2	S66-54653	S66-54590	16	25:45	"	Lt. Cdr. Gordon prepares for hatch open, used equipment jetison
3	S66-54654	S66-54591	16	25:45	"	Lt. Cdr. Gordon prepares for hatch open, used equipment jetison
4	S66-54655	S66-54592	-	-	"	Blank
5	S66-54656	S66-54593	16	25:47	"	Agena, nose of Gemini through open hatch
6	S66-54657	S66-54594	16	25:47	"	Tether line, patch on Gordon's shoulder, through open hatch
7	S66-54658	S66-54595	-	-	"	Blank
8	S66-54659	S66-54596	18	27:43	"	L-Band antenna, overexposed
9	S66-54660	S66-54597	18	27:43	"	L-Band antenna, overexposed
10	S66-54661	S66-54598	18	27:43	"	L-Band antenna, overexposed
11	S66-54662	S66-54599	26	40:42	9/14/66	Egypt - Israel, Nile Delta, Sinai, Suez Canal, image degraded due to debris on window Altitude = 180
12	S66-54663	S66-54600	26	40:42	"	Egypt - Saudi Arabia - Jordan - Israel, Sinai, Nile River, image degraded due to debris on window; Altitude = 190
13	S66-54664	S66-54601	26	40:43	"	Egypt - Saudi Arabia - Jordan - Israel, Sinai, Nile River, Red Sea, Dead Sea, Al Hijaz Area; Altitude = 200

050582  
100 0000

## Magazine #8 Continued

FRAME NO	NASA/HSC COLOR NO.	NASA/HSC B & W NO.	REVOLUTION NO.	G.E.T. TIME	DATE (HSC)	LOCATION AND IDENTIFICATION
14	S66-54665	S66-54602	26	40:44	9/14/66	Saudi Arabia, Al Hijaz area, image degraded due to debris on window; Altitude = 210
15	S66-54666	S66-54603	26	40:46	9/14/66	Saudi Arabia, Kuwait, Iraq, Iran, Qatar, Bahrain, Tigris-Euphrates below Baghdad, Persian Gulf, image degraded due to debris on window; Altitude = 220
16	S66-54667	S66-54604	26	40:47	"	Iran, Saudi Arabia, Trucial Oman, Muscat & Oman, Empty Quarter, Arabian Sea, Persian Gulf, image degraded due to debris on window; Altitude = 240
17	S66-54668	S66-54605	26	40:47	"	Iran, Saudi Arabia, Muscat & Oman, Empty Quarter, Arabian Sea, Persian Gulf, Gulf of Oman; Altitude = 260
18	S66-54669	S66-54606	26	40:48	"	Iran, Saudi Arabia, Trucial Oman, Muscat & Oman, Pakistan, India on horizon, looking NE; Altitude = 270
19	S66-54670	S66-54607	26	40:49	"	Iran, Pakistan, India, Muscat & Oman, looking NE, Arabian Sea; Altitude = 280
20	S66-54671	S66-54608	26	40:50	"	Pakistan, India, Arabian Sea, Indus River Valley, Rann of Kutch, looking NE; Altitude = 290
21	S66-54672	S66-54609	26	40:51	"	India-Ceylon, looking east, Maldiv Islands, Arabian Sea foreground, Bay of Bengal background; Altitude = 350
22	S66-54673	S66-54610	26	40:52	"	India-Ceylon, looking northeast, Maldiv Islands, Arabian Sea foreground, Bay of Bengal background; Altitude = 360
23	S66-54674	S66-54611	26	40:52	"	India-Ceylon, looking northeast, Maldiv Islands, Arabian Sea foreground, Bay of Bengal background; Altitude = 370
24	S66-54675	S66-54612	26	40:52	"	India-Ceylon, looking north northeast, Maldiv Islands, Arabian Sea left- and, Bay of Bengal right; Altitude=380
25	S66-54676	S66-54613	26	40:53	"	India-Ceylon, looking north, Maldiv Islands, Arabian Sea left, Bay of Bengal right; Altitude = 400
26	S66-54677	S66-54614	26	40:53	"	India-Ceylon, looking north, Maldiv Islands, Bay of Bengal right; Altitude=410
27	S66-54678	S66-54615	26	40:53	"	India-Ceylon, looking northeast, Maldiv Islands, Bay of Bengal right; Altitude=430
28	S66-54679	S66-54616	26	40:54	"	India-Ceylon, looking north, out of focus due to debris on window
29	S66-54680	S66-54617	26	40:54	"	India-Ceylon, looking north, degraded due to debris on window; Altitude=440
30	S66-54681	S66-54618	26	40:55	"	Part of Ceylon lower left, Indian Ocean looking southeast; Altitude=460
31	S66-54682	S66-54619	26	40:55	"	Part of Ceylon lower left, Indian ocean looking southeast; Altitude=470
32	S66-54683	S66-54620	26	40:55	"	Indian Ocean looking southeast, Sumatra under distant clouds; Altitude=480
33	S66-54684	S66-54621	26	40:55	"	Indian Ocean looking southeast, Sumatra under distant clouds; Altitude=490
34	S66-54685	S66-54622	26	40:56	"	Indian Ocean looking southeast, Sumatra under distant clouds; Altitude=500
35	S66-54686	S66-54623	26	40:56	"	Indian Ocean looking southeast, Sumatra under distant clouds; Altitude=510
36	S66-54687	S66-54624	26	40:56	"	Indian Ocean looking east, Sumatra-Java partial cloud cover; Altitude=520
37	S66-54688	S66-54625	26	40:57	"	Indian Ocean looking east, Sumatra-Java partial cloud cover; Altitude = 530
38	S66-54689	S66-54626	26	40:57	"	Indonesian Islands Partial cloud cover (Sumatra-Java-Bali-Borneo-Sumbawa) Altitude = 540
39	S66-54690	S66-54627	26	40:58	"	Indonesian Islands Partial cloud cover (Sumatra-Java-Bali-Borneo-Sumbawa) Altitude = 550
40	S66-54691	S66-54628	26	40:59	"	Indonesian Islands partial cloud cover (Sumatra-Java-Bali-Borneo-Sumbawa) Altitude = 560
41	S66-54692	S66-54629	26	40:59	"	Indonesian Islands partial cloud cover (Sumatra-Java-Bali-Borneo-Sumbawa) Altitude = 570
42	S66-54693	S66-54630	26	41:00	"	Indonesian Islands partial cloud cover (Java-Bali-Borneo-Sumbawa) Altitude = 580
43	S66-54694	S66-54631	26	41:02	"	Indonesian Islands partial cloud cover (Java-Bali-Borneo-Sumbawa) Altitude = 590



FRAME NO.	NASA/MSC COLOR NO.	NASA/MSC B & W NO.	REVOLUTION NO.	G.E.T. TIME	DATE (HSC)	LOCATION AND IDENTIFICATION
44	566-54695	566-54632	26	41:03	9/14/66	Australia (Western Australia) looking northeast, 80 Mile Beach, Great Sandy Desert, Kimberley Plateau, Indonesian Islands; Altitude = 610
45	566-54696	566-54633	26	41:03	"	Australia (Western Australia) looking northeast, 80 Mile Beach, Great Sandy Desert, Kimberley Plateau, Indonesian Islands; Altitude = 620
46	566-54697	566-54634	26	41:03	"	Australia (Western Australia) looking northeast, 80 Mile Beach, Great Sandy Desert, Kimberley Plateau, Arnhemland; Altitude = 630
47	566-54698	566-54635	26	41:04	"	Australia (Western Australia) looking northeast, 80 Mile Beach, Great Sandy Desert, Kimberley Plateau, Arnhemland; Altitude = 640
48	566-54699	566-54636	26	41:04	"	Australia (Western Australia) looking northeast, 80 Mile Beach, Great Sandy Desert, Kimberley Plateau, Arnhemland; Altitude = 650
49	566-54700	566-54637	26	41:05	"	North Australia looking northeast, 80 Mile Beach, Great Sandy Desert, Kimberley Plateau, Arnhemland, Gulf of Carpentaria, Cape York Peninsula; Altitude = 660
50	566-54701	566-54638	26	41:05	"	North Australia looking northeast, 80 Mile Beach, Great Sandy Desert, Kimberley Plateau, Arnhemland, Gulf of Carpentaria, Cape York Peninsula; Altitude = 670
51	566-54702	566-54639	26	41:09	"	Out of focus due to debris on window
52	566-54703	566-54640	26	41:10	"	Australia, western half looking west, coastline seen from Perth to Port Darwin; Altitude = 720
53	566-54704	566-54641	26	41:10	"	Australia, western half looking west, coastline seen from Perth to Port Darwin; Altitude = 725
54	566-54705	566-54642	26	41:10	"	Australia, western half looking west, coastline seen from Perth to Port Darwin; Altitude = 730
55	566-54706	566-54643	26	41:10	"	Australia, western half looking west, coastline seen from Perth to Port Darwin; Record high Apogee of 740
56	566-54707	566-54644	26	41:13	"	Over east coast of Australia (Brisbane) looking west at terminator, Limb and Sunset; Altitude = 740
57	566-54708	566-54645	26	41:13	"	Over east coast of Australia (Brisbane) looking west at terminator, Limb and Sunset; Altitude = 730
58	566-54709	566-54646	26	41:13	"	Over east coast of Australia (Brisbane) looking west at terminator, Limb, Sunset; Altitude = 725
59	566-54710	566-54647	26	41:14	"	Over east coast of Australia (Brisbane) looking west at terminator, Limb, Sunset; Altitude = 724
60	566-54711	566-54648	26	41:14	"	Over east coast of Australia (Brisbane) looking west at terminator, Limb, Sunset; Altitude = 722
61	566-54712	566-54649	26	41:14	"	Over east coast of Australia (Brisbane) looking west at terminator, Limb, Sunset; Altitude = 720
62	566-54713	566-54650	26	41:14	"	Over east coast of Australia (Brisbane) looking west at terminator, Limb, Sunset; Altitude = 718
63	566-54714	566-54651	26	41:14	"	Over east coast of Australia (Brisbane) looking west at terminator, Limb, Sunset; Altitude = 715

## MAGAZINE #9

FRAME NO.	NASA/HSC COLOR NO.	NASA/HSC B & W NO.	REVOLUTION NO.	G.E.T. TIME	DATE (HSC)	LOCATION AND IDENTIFICATION
1						Blank
2	S66-54523	S66-54457	27	42:08	9/14/66	Algeria, Mali, Mauritania, Morocco, Spanish Sahara looking northwest, Erg Iguidi, Anti Atlas Mountains, Photo degraded due to window deposit; altitude = 160
3	S66-54524	S66-54458	27	42:10	"	Algeria, Tanez Rouft (Land of Terror), photo partially degraded due to window deposit; Altitude = 165
4	S66-54525	S66-54459	27	42:11	"	Libya; Chad, Niger, Algeria, looking northeast, Al Haruj Al Swad, Great Sand Deserts, Mediterranean Sea and Gulf of Sirte in background; Altitude = 175
5	S66-54526	S66-54460	27	42:11	"	Libya, Chad, Niger, Algeria looking northeast; Al Haruj Al Swad, Great Sand Deserts, Mediterranean Sea and Gulf of Sirte in background; Altitude = 150
6	S66-54527	S66-54461	27	42:13	"	Libya, Chad, Sudan, Egypt, Niger looking northeast, Tibesti Mountains, Al Haruj Al Swad, Mediterranean Sea and Great Libyan Sand Sea in background; Altitude = 210
7	S66-54528	S66-54462	27	42:14	"	Egypt, Libya, Sudan with Red Sea in background looking east northeast, Tibesti Mountains, Giff El Kebir, Great Libyan Sand Sea; Altitude = 230
8	S66-54529	S66-54463	27	42:15	"	Egypt, Sudan, Libya with Jordan, Saudi Arabia, and Israel in background, Red Sea, Nile from Delta to Khartoum; Altitude = 260
9	S66-54530	S66-54464	27	42:16	"	Egypt, Sudan, Ethiopia, Saudi Arabia, looking east northeast, Red Sea, Sinai, Nile River, from Bida up to Khartoum, Altitude = 290
10	S66-54531	S66-54465	27	42:16	"	Egypt, Sudan, Saudi Arabia, Ethiopia, looking east southeast, Red Sea at center, Nile River seen from Asyut up to Khartoum; Altitude = 300
11	S66-54532	S66-54466	27	42:17	"	Sudan, Ethiopia, Somali, French Somaliland, Saudi Arabia, Yemen, South Arabia looking southeast, Red Sea Gulf of Aden; Altitude = 310
12	S66-54533	S66-54467	27	42:17	"	Sudan, Ethiopia, Somali, French Somaliland, Saudi Arabia, Yemen, South Arabia looking southeast, Red Sea, Gulf of Aden; Altitude = 320
13	S66-54534	S66-54468	27	42:17	"	Sudan, Ethiopia, Somali, French Somaliland, Saudi Arabia, Yemen, South Arabia looking southeast, Red Sea, Gulf of Aden; Altitude = 330
14	S66-54535	S66-54469	27	42:18	"	Sudan, Ethiopia, Somali, French Somaliland, Saudi Arabia, Yemen, South Arabia looking southeast, Red Sea, Gulf of Aden; Altitude = 335
15	S66-54536	S66-54470	27	42:18	"	Ethiopia, Somali, French Somaliland, Saudi Arabia, Yemen, South Arabia looking southeast Red Sea, Gulf of Aden; Altitude = 340
16	S66-54537	S66-54471	27	42:19	"	Ethiopia, Somali, French Somaliland, Saudi Arabia, Yemen, South Arabia looking southeast Red Sea, Gulf of Aden; Altitude = 350
17	S66-54538	S66-54472	27	42:20	"	Somali, South Arabia Federation, Gulf of Aden, Indian Ocean, Socotra Island; Altitude = 370
18	S66-54539	S66-54473	27	42:21	"	Somali, South Arabia Federation, Gulf of Aden, Indian Ocean, Socotra Island; Altitude = 380
19	S66-54540	S66-54474	27	42:23	"	Indian Ocean, Arabian Sea, Tip of India and Ceylon at horizon, looking southeast; Altitude = 410
20	S66-54541	S66-54475	27	42:24	"	Indian Ocean, Maldiv Islands, Southern India and Ceylon upper edge, looking east; Altitude = 460
21	S66-54542	S66-54476	27	42:25	"	Indian Ocean, Maldiv Islands, Southern India and Ceylon upper edge, looking east; Altitude = 465

## Magazine #9 Continued

FRAME NO.	NASA/MSC COLOR NO.	NASA/MSC B & W NO.	REVOLUTION NO.	G.E.T. TIME	DATE (MSC)	LOCATION AND IDENTIFICATION
22	S66-54543	S66-54477	27	42:27	9/14/66	Indian Ocean, Maldives Islands, Southern India and Ceylon upper edge, looking northeast; Altitude = 500
23	S66-54544	S66-54478	27	42:28	"	Indian Ocean, Maldives Islands, Southern India and Ceylon upper edge, looking northeast; Altitude = 500
24	S66-54545	S66-54479	27	42:29	"	Indian Ocean looking northeast toward Indonesia; Altitude = 560
25	S66-54546	S66-54480	27	42:30	"	Indian Ocean west of Australia looking to northeast; Altitude = 660
26	S66-54547	S66-54481	27	42:30	"	Indian Ocean west of Australia looking to northeast; Altitude = 665
27	S66-54548	S66-54482	27	42:31	"	Indian Ocean west of Australia looking to northeast; Altitude = 670
28	S66-54549	S66-54483	27	42:32	"	Indian Ocean west of Australia looking to northeast; Altitude = 675
29	S66-54550	S66-54484	27	42:35	"	Indian Ocean looking northeast Australia (north west cape) on horizon; Altitude = 710
30	S66-54551	S66-54485	27	42:35	"	Indian Ocean looking east Australia (North West Cape) on horizon; Altitude = 715
31	S66-54552	S66-54486	27	42:36	"	Indian Ocean looking east Australia, North West Cape and Western Australia State; Altitude = 720
32	S66-54553	S66-54487	27	42:36	"	Indian Ocean looking east, Australia, north west cape and Western Australia State; Altitude = 730
- 78 - 33	S66-54554	S66-54488	29	46:15	"	Stand-up EVA, hatch open, L-Band Antenna, hatch door, 70mm (Blue) Maurer, UV Camera
34	S66-54555	S66-54489	29	46:55	"	Stand-up EVA, hatch open, Jockeyed Agena clearly seen
35	S66-54556	S66-54490	29	46:58	"	Clouds over Mexico at sunrise
36	S66-54557	S66-54491	29	46:58	"	Clouds over Mexico at sunrise
37	S66-54558	S66-54492	29	46:59	"	Texas-Mexico, Rio Grande River, Del Rio, Eagle Pass area, near sunrise, poor detail
38	S66-54559	S66-54493	29	46:59	"	Gulf Coast (Corpus Christi to mouth of Mississippi) near sunrise, poor detail
39	S66-54560	S66-54494	29	47:00	"	Gulf Coast (Aransas Bay to Mobile Bay) Galveston Bay, Houston, industrial smoke, contrails
40	S66-54561	S66-54495	29	47:01	"	Gulf Coast (Galveston to Mobile Bay) Houston, Manned Spacecraft Center, Galveston Bay, Mouth of Mississippi, Timber Cove, Nassau Bay
41	S66-54562	S66-54496	29	47:02	"	Gulf Coast (Vermillion Bay to Pensacola Bay) Mouth of Mississippi, New Orleans
42	S66-54563	S66-54497	29	47:03	"	Gulf Coast (Atchafalaya Bay to Apalachicola) Mouth of Mississippi, New Orleans, Pensacola
43	S66-54564	S66-54498	29	47:04	"	Gulf Coast, Florida, Cape San Blas, lacks detail
44	S66-54565	S66-54499	29	47:05	"	Florida, central portion, Gulf to Atlantic, Cape Kennedy, sun glint on lakes, lacks detail due to low sun angle
45	S66-54566	S66-54500	29	47:05	"	Florida, central portion, Gulf to Atlantic, Cape Kennedy, sun glint on lakes, lacks detail due to low sun angle
46	S66-54567	S66-54501	29	47:05	"	Florida, central portion, Gulf to Atlantic, Cape Kennedy, sun glint on lakes, lacks detail due to low sun angle
47	S66-54568	S66-54502	29	47:06	"	Central Florida (Tampa to Cape Kennedy) Tampa clear, clouds, shadows obscure detail, low sun angle
48	S66-54569	S66-54503	29	47:06	"	Cape Kennedy (under exposed) Florida coast, Jacksonville to Palm Beach, low sun angle, last photo during standup EVA.

## Magazine #9 Continued

FRAME NO.	NASA/MSC COLOR NO.	NASA/MSC B & W NO.	REVOLUTION NO.	G.E.T. TIME	DATE (MSC)	LOCATION AND IDENTIFICATION
49	S66-54570	S66-54504	32	51:30	9/14/66	Agena tethered to Gemini XI, clouds-sea background, atolls
50	S66-54571	S66-54505	32	51:30	"	Agena tethered to Gemini XI, clouds-sea background, atolls
51	S66-54572	S66-54506	32	51:40	"	Agena tethered to Gemini XI, black sky background
52	S66-54573	S66-54507	32	51:40	"	Agena tethered to Gemini XI, black sky background
53	S66-54574	S66-54508	32	51:41	"	Agena tethered to Gemini XI, black sky background
54	S66-54575	S66-54509	32	51:41	"	Agena tethered to Gemini XI, black sky background
55	S66-54576	S66-54510	32	51:42	"	Agena tethered to Gemini XI, black sky background
56	S66-54577	S66-54511	32	51:42	"	Agena tethered to Gemini XI, black sky background
57	S66-54578	S66-54512	32	51:42	"	Agena tethered to Gemini XI, black sky background
58	S66-54579	S66-54513	33	53:10	"	Agena (side view) tether line loose, Range = 65'
59	S66-54580	S66-54514	33	53:11	"	Agena (side view) tether line loose, Range = 75'
60	S66-54581	S66-54515	34	54:30	"	Storm clouds- Typhoon "Elsie" southeast of Japan
61	S66-54582	S66-54516	42	66:31	"	Agena, sky background, Range = 250' Re-rendezvous sequence
62	S66-54583	S66-54517	42	66:32	"	Agena, sky background, out of focus, Range = 300'
63	S66-54584	S66-54518	42	66:35	"	Agena, docking cone end, tether line loose; Range = 90' Lake Chad, Ergig River in background
64	S66-54585	S66-54519	42	66:38	"	Agena, side view, tether line loose; Range = 80' Over East Africa
65	S66-54586	S66-54520	42	66:39	"	Agena, side view, cone end, tether line loose; Range = 90' Over East Africa
66	S66-54587	S66-54521	42	66:40	"	Agena, side view, cone end, tether line loose; Range=95' Over East Africa
67	S66-54588	S66-54522	42	66:40	"	Agena, side view, cone end, tether line loose; Range = 100' Over East Africa

MAGAZINE # 10

FRAME NO.	NASA/MSC COLOR NO.	NASA/MSC B & W NO.	REVOLUTION NO.	G.E.T. TIME	DATE (MSC)	LOCATION AND IDENTIFICATION
1	S66-54764	S66-54715	27	42:05	9/14/66	Morocco - Ras Rhir, Agadir, Anti Atlas Mountains - Altitude = 160
2	S66-54765	S66-54716	27	42:05	"	Morocco - Ifni - Algeria, Ras Rhir, Agadir, Anti Atlas Mountains; Altitude = 162
3	S66-54766	S66-54717	27	42:06	"	Algeria - Morocco, Hamada Du Dra, Erg Iguidi, Anti Atlas Mountains; Altitude = 164
4	S66-54767	S66-54718	27	42:07	"	Algeria, Erg-Er-Raoui, Gran Erg Occidental, Erg Iguidi, South of Bechar; Altitude = 166
5	S66-54768	S66-54719	27	42:07	"	Algeria, Erg-Er-Raoui, Gran Erg Occidental, Erg Iguidi, South of Bechar; Altitude = 168
6	S66-54769	S66-54720	27	42:08	"	Algeria, Tademaït Plateau, Erg Chech, Ahnet Ridges; Altitude = 170
7	S66-54770	S66-54721	27	42:08	"	Algeria, Tademaït Plateau, Erg Chech, Ahnet Ridges; Altitude = 170
8	S66-54771	S66-54722	27	42:09	"	Algeria, Ahnet Ridges, Al Hagggar Mountains; Altitude = 174
9	S66-54772	S66-54723	27	42:10	"	Algeria - Libya, Tassili-N- Ajjer Mountains; Altitude = 176
10	S66-54773	S66-54724	27	42:10	"	Algeria - Libya, Tassili-N- Ajjer Mountains; Altitude = 176
11	S66-54774	S66-54725	27	42:12	"	Libya-Algeria-Niger, Mesach-Mellet, Idehan-Marzuq Dunes; Altitude = 188
12	S66-54775	S66-54726	27	42:14	"	Libya, north end Tabesti Mountains, Serir of Sarra; Altitude = 215
13	S66-54776	S66-54727	27	42:16	"	Libya - Egypt - Sudan, Jabel Uwaynat, Gilf El Kebir, Great Sand Sea; Altitude = 230
14	S66-54777	S66-54728	27	42:17	"	Sudan, Nubian Desert, Great Bend of the Nile; Altitude = 260
15	S66-54778	S66-54729	27	42:17	"	Sudan, Nubian Desert, Great Bend of the Nile; Altitude = 265
16	S66-54779	S66-54730	27	42:18	"	Sudan - Ethiopia, Nubian Desert, Nile River, Kassala, Red Sea; Altitude = 280
17	S66-54780	S66-54731	27	42:18	"	Sudan - Ethiopia, Nubian Desert, Kassala, Red Sea; Altitude = 290
18	S66-54781	S66-54732	27	42:19	"	Sudan - Ethiopia - Saudi Arabia, Red Sea; Altitude = 295
19	S66-54782	S66-54733	27	42:20	"	Ethiopia - Saudi Arabia - Yemen, Red Sea; Altitude = 300
20	S66-54783	S66-54734	27	42:21	"	Ethiopia - Somali - French Somali - Yemen - South Arabia, Red Sea, Gulf of Aden, Port of Aden-320
21	S66-54784	S66-54735	27	42:21	"	Ethiopia - Somali - French Somali - Yemen - South Arabia, Red Sea, Gulf of Aden, Port of Aden-340
22	S66-54785	S66-54736	27	42:22	"	Somali, Gulf of Aden, Ras Hafun, Indian Ocean; Altitude=350
23	S66-54786	S66-54737	27	42:25	"	Indian Ocean, clouds; Altitude = 360
24	S66-54787	S66-54738	27	42:25	"	Indian Ocean, clouds; Altitude = 380
25	S66-54788	S66-54739	27	42:27	"	Indian Ocean, clouds; Altitude = 400
26	S66-54789	S66-54740	27	42:27	"	Maldiv Islands, Indian Ocean; Altitude=420
27	S66-54790	S66-54741	27	42:28	"	Maldiv Islands, Indian Ocean; Altitude=445
28	S66-54791	S66-54742	27	42:28	"	Maldiv Islands, Indian Ocean; Altitude=455
29	S66-54792	S66-54743	27	42:28	"	Maldiv Islands, Indian Ocean; Altitude=465
30	S66-54793	S66-54744	27	42:29	"	Maldiv Islands, Indian Ocean, India-Ceylon in background; Altitude = 475
31	S66-54794	S66-54745	27	42:29	"	Maldiv Islands, Indian Ocean, India-Ceylon in background; Altitude = 485
32	S66-54795	S66-54746	27	42:30	"	Clouds over Indian Ocean; Altitude = 520
33	S66-54796	S66-54747	27	42:30	"	Clouds over Indian Ocean; Altitude = 540
34	S66-54797	S66-54748	27	42:31	"	Clouds over Indian Ocean; Altitude = 560
35	S66-54798	S66-54749	27	42:32	"	Clouds over Indian Ocean; Altitude = 610
36	S66-54799	S66-54750	27	42:33	"	Clouds over Indian Ocean; Altitude = 650
37	S66-54800	S66-54751	27	42:37	"	West coast of Australia, looking east toward terminator, north west cape visible
38	S66-54801	S66-54752	27	42:40	"	Terminator in eastern Australia; Altitude = 690
39	S66-54802	S66-54753	31	49:55	"	Agema tethered to Gemini, sky background

Magazine # 10

FRAME NO.	NASA/HSC COLOR NO.	NASA/HSC B & W NO.	REVOLUTION NO.	G.E.T. TIME	DATE (HSC)	LOCATION AND IDENTIFICATION
40	566-54803	566-54754	31	49:55	9/14/66	Agena, tethered to Gemini, sky background
41	566-54804	566-54755	31	49:56	"	Agena, tethered to Gemini, sky background
42	566-54805	566-54756	31	49:56	"	Agena, tethered to Gemini, sunlit clouds background, earth not visible
43	566-54806	566-54757	31	50:05	"	Agena tethered to Gemini, Pacific Ocean off Mexico, TDA down
44	566-54807	566-54758	31	50:06	"	Agena tethered to Gemini, Pacific Ocean off Mexico, TDA down
45	566-54808	566-54759	31	50:07	"	Agena tethered to Gemini, Pacific Ocean off Mexico, TDA down
46	566-54809	566-54760	31	50:08	"	Agena tethered to Gemini, Pacific Ocean off Mexico, TDA down
47	566-54810	566-54761	31	50:09	"	Agena tethered to Gemini, Gulf of California, Baja California at La Paz, Sinaloa near Los Mochis
48	566-54811	566-54762	31	50:10	"	Agena tethered to Gemini, Mexico, Jalisco - Aguascalientes - Zacatecas - Guanajuato States
49	566-54812	566-54763	31	50:10	"	Agena tethered to Gemini, Mexico, Jalisco - Aguascalientes - Zacatecas - Guanajuato States

MAGAZINE # 11

FRAME NO.	NASA/MSC COLOR NO.	NASA/MSC B & W NO.	REVOLUTION NO.	G.E.T. TIME	DATE (MSC)	LOCATION AND IDENTIFICATION
1	S66-54888	S66-54845	1	1:20	9/14/66	Agana, docking end and side, range = 60'
2	S66-54889	S66-54846	1	1:20	"	Agana, docking end, range = 60'
3	S66-54890	S66-54847	1	1:23	"	Agana, side view, range = 25'
4	S66-54891	S66-54848	1	1:26	"	Agana, side view, range = 35'
5	S66-54892	S66-54849	1	1:28	"	Agana, side view, range = 75'
6	S66-54893	S66-54850	26	40:43	"	Egypt, Jordan, Saudi Arabia, Lebanon, Syria, Iraq, Turkey, Israel, looking north, Red Sea, Dead Sea, Sea of Galilee, Mediterranean Sea, Suez Canal, Euphrates River, Sinai
7	S66-54894	S66-54851	26	-	"	Blank
8	S66-54895	S66-54852	26	40:44	"	Red Sea, Saudi Arabia (Al Hijaz Lava Fields), Egypt
9	S66-54895	S66-54853	26	40:47	"	Saudi Arabia, Persian Gulf, Empty Quarter, Tuwaiq Mountains, Biyadh Plain
10	S66-54897	S66-54854	26	40:48	"	Saudi Arabia, Muscat & Oman, Trucial Oman, Iran, Empty Quarter, Persian Gulf, Gulf of Oman, looking east
11	S66-54898	S66-54855	26	40:49	"	Pakistan-India, Indus Valley, Rann of Kutch, Arabian Sea, looking northeast
12	S66-54899	S66-54856	26	40:49	"	Degraded due to debris on window
13	S66-54900	S66-54857	26	40:50	"	India, Gujarat State, Gulf of Kutch, Gulf of Cambay, Arabian Sea, looking north
14	S66-54901	S66-54858	26	40:51	"	India, Ceylon, Maldiv Islands, Arabian Sea, looking east
15	S66-54902	S66-54859	26	40:52	"	India, Maldiv Islands, Arabian Sea, looking east
16	S66-54903	S66-54860	26	40:52	"	India (Mysore-Andhra Pradesh-Madras States) Arabian Sea, Bay of Bengal
17	S66-54904	S66-54861	26	40:53	"	India (Mysore-Andhra Pradesh-Madras-Kerala States) Part of Ceylon, Bay of Bengal
18	S66-54905	S66-54862	26	40:53	"	India (Mysore-Andhra Pradesh-Madras-Kerala States) Part of Ceylon, Bay of Bengal
19	S66-54906	S66-54863	26	40:54	"	India (Mysore-Andhra Pradesh-Madras-Kerala States) Part of Ceylon, Bay of Bengal
20	S66-54907	S66-54864	26	40:56	"	Indonesia (Sumatra) clouds
21	S66-54908	S66-54865	26	40:56	"	Indonesia (Sumatra) clouds
22	S66-54909	S66-54866	26	40:58	"	Indonesia (Sumatra) looking northeast, clouds
23	S66-54910	S66-54867	26	40:58	"	Indonesia (Sumatra) looking northeast, clouds
24	S66-54911	S66-54868	26	40:58	"	Indonesia (Java-Borneo-Sumatra) looking northeast, clouds
25	S66-54912	S66-54869	26	40:59	"	Indonesia (Java-Borneo-Sumatra) looking northeast, clouds
26	S66-54913	S66-54870	26	40:59	"	Indonesia (Java-Borneo-Sumatra) looking northeast, clouds
27	S66-54914	S66-54871	26	40:59	"	Indonesia (Java-Bali-Lombok-Sumatra-Borneo) looking east, clouds
28	S66-54915	S66-54872	26	40:59	"	Indonesia (Java-Bali-Lombok) looking east, clouds
29	S66-54916	S66-54873	26	41:00	"	Indonesia (Java-Bali-Lombok) looking east, clouds
30	S66-54917	S66-54874	26	41:00	"	Indonesia (Bali-Java-Lombok) looking east, clouds
31	S66-54918	S66-54875	26	41:03	"	Western Australia, 80 Mile Beach to Admiralty Gulf, Great Sandy Desert
32	S66-54919	S66-54876	26	41:03	"	Western Australia, 80 Mile Beach to Joseph Bonaparte Gulf, Kimberley Plateau, Great Sandy Desert
33	S66-54920	S66-54877	26	41:03	"	Western Australia, 80 Mile Beach to Joseph Bonaparte Gulf, Kimberley Plateau, Great Sandy Desert
34	S66-54921	S66-54878	26	41:03	"	Western Australia, 80 Mile Beach to Joseph Bonaparte Gulf, Kimberley Plateau, Great Sandy Desert

FRAME NO.	NASA/MSC COLOR NO.	NASA/MSC B & W NO.	REVOLUTION NO.	G.E.T. TIME	DATE (MSC)	LOCATION AND IDENTIFICATION
35	S66-54922	S66-54871	26		9/14/66	Blank
36	S66-54923	S66-54880	26	41:04	"	Western Australia, 80 Mile Beach to Joseph Bonaparte Gulf, Kimberley Plateau, Great Sandy Desert
37	S66-54924	S66-54881	26	41:04	"	Western Australia, 80 Mile Beach to Joseph Bonaparte Gulf, Kimberley Plateau, Great Sandy Desert
38	S66-54925	S66-54882	26	41:05	"	Western Australia, Northern Territory, King Sound to Gulf of Carpentaria
39	S66-54926	S66-54883	26	41:05	"	Timor Sea, Timor Island, Sumba Island, Flores Island, Scott Reef, Bonaparte Archipelago, looking north
40	S66-54927	S66-54884	26	41:06	"	Western Australia, 80 Mile Beach to Port Darwin in Northern Territory
41	S66-54928	S66-54885	26	41:06	"	Western Australia, 80 Mile Beach to Port Darwin in Northern Territory
42	S66-54929	S66-54886	26	41:06	"	Western Australia, 80 Mile Beach to Port Darwin in Northern Territory
43	S66-54930	S66-54887	26	41:06	"	Western Australia, King Sound to Port Darwin in Northern Territory



## MAGAZINE # 12

<u>FRAHE</u> <u>NO.</u>	<u>NASA/HSC</u> <u>COLOR NO.</u>	<u>NASA/HSC</u> <u>B &amp; W NO.</u>	<u>REVOLUTION</u> <u>NO.</u>	<u>G.E.T.</u> <u>TIME</u>	<u>DATE</u> <u>(HSC)</u>	<u>LOCATION AND IDENTIFICATION</u>
1	S66-54829	S66-54813	33	53:09	9/14/66	Agena on tether line, sky background
2	S66-54830	S66-54814	33	53:11	"	Agena at time of tether drop; range = 50'
3	S66-54831	S66-54815	34	53:41	"	Peru ( Ayachchu-Ica-Huancavelica States) fog hugs coast
4	S66-54832	S66-54816	34	53:41	"	Peru (Ayacucho-Arequipa-Ica-Huancavelica States) fog hugs coast
5	S66-54833	S66-54817	34	53:41	"	Peru (Ayachcho-Arequipa-Ica-Huancavelica States) fog hugs coast
6	S66-54834	S66-54818	34	53:42	"	Peru-Bolivia-Chile, Lake Titicaca, La Paz
7	S66-54835	S66-54819	34	53:43	"	Bolivia, Santa Cruz-Cochabamba Sucre area
8	S66-54836	S66-54820	34	53:44	"	Bolivia-Santa Cruz State and North Paraguay
9	S66-54837	S66-54821	34	56:06	"	Clouds (out of focus), Elsie
10	S66-54838	S66-54822	34	56:06	"	Clouds (out of focus), Elsie
11	S66-54839	S66-54823	37	58:59	"	China-India-Nepal; Great Himalaya Range looking east.
12	S66-54840	S66-54824	37	59:02	"	China-India-Nepal-Bhutan-Sikkim; Great Himalaya Range (Mt. Everest) looking west, Brahma-putra River, Tibet Highlands
13	S66-54841	S66-54825	41	65:28	9/15/66	Western Australia looking westward; 80 Mile Beach, Great Sandy Desert, Percival Lakes (dry beds) Lake Disappointment, Fitzroy River
14	S66-54842	S66-54826				Agena, side view, Range = 70'
15	S66-54843	S66-54827				Blank
16	S66-54844	S66-54828				Agena, side view, Range = 200'

11. GEMINI XII  
Ref. 10

# GEMINI XII (November 11-15, 1966)

## Cameras:

1. Hasselblad, Superwide Angle-70mm  
Lens: Zeiss Bioton, 38mm Focal Length, F:4.5  
Rolls: 8, 11, 17
2. J. A. Maurer, 70mm Space Camera  
Lens: Xenotar, 80mm Focal Length, F:2.8  
Roll: 10

Film: Eastman Kodak Ektachrome, MS (S.O. 368)  
70mm Width, 55 x 55mm Format

NOTE: Rendezvous distances from camera to nearest point on Agena 15007. Distance from camera to nose of the spacecraft is approximately 8.3 feet (2.5 meters) accuracy of distances  $\pm 5\%$ . Ground Elapsed Times (G.E.T.) are estimated unless verified by pilot log entry or tape/radio transmissions.

## 70MM PHOTOGRAPHY IDENTIFICATION

Lift Off: 20:46:33 ZULU

Splashdown: 19:19:06 ZULU

Duration: 94:32:33 Hours

Photography By: Capt. James A. Lovell, Jr.  
Maj. Edwin E. Aldrin, Jr.

Identification By: R. W. Underwood, NASA/MSC/BL

Date: November 21, 1966 (Preliminary Edition)

## MAGAZINE #, SERIAL NUMBER 8

FRAME NO.	NASA/MSC COLOR NO.	NASA/MSC B & W NO.	REVOLUTION NO.	G.E.T. TIME	DATE (MSC)
1	566-63306	566-63236	1	1:33	11/11/66
2	566-63387	566-63237	3		"
3	566-63388	566-63238	3		"
4	566-63389	566-63239	3		"
5	566-63390	566-63240	3	4:09	"
6	566-63391	566-63241	3	4:09	"
7	566-63392	566-63242	3	4:09	"
8	566-63393	566-63243	3	4:10	"
9	566-63394	566-63244	3	4:10	"
10	566-63395	566-63245	3	4:10	"
11	566-63396	566-63246	3	4:10	"
12	566-63397	566-63247	3	4:20	"

## LOCATION AND IDENTIFICATION

Mexico, Nuevo Leon - Tamaulipas looking southeast toward Gulf.  
 Agena Station keeping range = 15'.  
 Agena Station keeping range = 15'.  
 Agena Station keeping range = 15'.  
 Agena Station keeping range = 50', background, north, Borneo, Sibutu Passage, Sulu Archipelago, Philippine Islands.  
 Agena Station keeping range = 50', background, north, Borneo, Sibutu Passage, Sulu Archipelago, Philippine Islands.  
 Agena Station keeping range = 50', background, north, Borneo, Sibutu Passage, Sulu Archipelago, Philippine Islands.  
 Agena Station keeping range = 50', background, north, Borneo, Sibutu Passage, Sulu Archipelago, Philippine Islands.  
 Agena Station keeping range = 50', background, north, Borneo, Sibutu Passage, Sulu Archipelago, Philippine Islands.  
 Agena Station keeping range = 50', background, north, Borneo, Sibutu Passage, Sulu Archipelago, Philippine Islands.  
 Docked to Agena.

~~SECRET~~  
 AT-0112

FRAME NO.	NASA/MSC COLOR NO.	NASA/MSC B & W NO.	REVOLUTION NO.	G.E.T. TIME	DATE (MSC)	LOCATION AND IDENTIFICATION
13	S66-63398	S66-63248	3	4:20	11/11/66	Docked to Agena.
14	S66-63399	S66-63249	3	4:21	"	Docked to Agena.
15	S66-63400	S66-63250	3	4:21	"	Docked to Agena.
16	S66-63401	S66-63251	3	4:23	"	Docked to Agena.
17	S66-63402	S66-63252	3	4:45	"	Station keeping with Agena Range = 25'.
18	S66-63403	S66-63253	3	4:45	"	Station keeping with Agena Range = 25'.
19	S66-63404	S66-63254	3	4:46	"	Station keeping with Agena Range = 27'.
20	S66-63405	S66-63255	3	4:46	"	Station keeping with Agena Range = 34'.
21	S66-63406	S66-63256	3	4:46	"	Station keeping with Agena Range = 37'.
22	S66-63407	S66-63257	3	4:47	"	Station keeping with Agena Range = 42'.
23	S66-63408	S66-63258	3	4:47	"	Station keeping with Agena Range = 45'.
24	S66-63409	S66-63259	3	4:48	"	Station keeping with Agena Range = 50'.
25	S66-63410	S66-63260	3	4:48	"	Station keeping with Agena Range = 55'.
26	S66-63411	S66-63261	3	4:49	"	Station keeping with Agena Range = 60'.
27	S66-63412	S66-63262	3	4:49	"	Station keeping with Agena Range = 45'.
28	S66-63413	S66-63263	3	4:49	"	Station keeping with Agena Range = 45'.
29	S66-63414	S66-63264	12	16:01	11/12/66	Solar Eclipse partial.
30	S66-63415	S66-63265	12	16:01	"	Solar Eclipse total.
31	S66-63416	S66-63266	-	-	"	Blank
32	S66-63417	S66-63267	15	22:31	"	Florida (South Half), Bahama Islands (Andros-Grand Bahama-Bimini), Cuba looking south.
33	S66-63418	S66-63268	15	22:31	"	Florida (South Half), Bahama Islands (Andros-Grand Bahama-Bimini), Cuba looking south.
34	S66-63419	S66-63269	15	22:31	"	Florida (South Half), Bahama Islands (Andros-Grand Bahama-Bimini), Cuba looking south.
35	S66-63420	S66-63270	15	22:31	"	Florida (South Half), Bahama Islands (Andros-Grand Bahama-Bimini-New Providence), Cuba looking south.
36	S66-63421	S66-63271	15	22:32	"	Florida (South Half), Bahama Islands (Andros-Grand Bahama-Bimini-New Providence), Cuba looking south.
37	S66-63422	S66-63272	15	22:32	"	Florida (South Half), Bahama Islands (Andros-Grand Bahama-Bimini-New Providence), Cuba looking south.
38	S66-63423	S66-63273	15	22:32	"	Florida (South Half), Bahama Islands (Andros-Grand Bahama-Bimini-New Providence), Cuba looking south.
39	S66-63424	S66-63274	15	22:32	"	Florida (South Tip), Bahama Islands (Andros-Grand Bahama-Bimini-New Providence), Cuba looking south.
40	S66-63425	S66-63275	15	22:33	"	Florida (South Tip), Bahama Islands (Andros-Grand Bahama-Bimini-New Providence), Cuba looking south.
41	S66-63426	S66-63276	15	22:54	"	Texas (Edwards Plateau-Big Bend-Pecos River), Mexico (Coahuila State), Eagle Pass, Nueces River.
42	S66-63427	S66-63277	15	22:54	"	Texas (Edwards Plateau-Big Bend-Pecos River), Mexico (Coahuila State), Eagle Pass, Nueces River.

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

FRAME No.	NASA/MSC COLOR NO.	NASA/MSC B & W NO.	REVOLUTION NO.	G.E.T. TIME	DATE (MSC)	LOCATION AND IDENTIFICATION
43	S66-63428	S66-63278	15	23:55	11/12/66	Texas (Edwards Plateau-Big Bend-Pecos River); Mexico (Coahuila State); Eagle Pass, Nueces River.
44	S66-63429	S66-63279	15	23:56	"	Texas Gulf Coast from Baffin Bay to Matagorda Bay, Corpus Christi, Interstate 10 at Columbus.
45	S66-63430	S66-63280	15	23:56	"	Texas Gulf Coast, Matagorda Bay, Interstate 10 at Columbus.
46	S66-63431	S66-63281	15	24:00	"	Florida; Tampa, St. Petersburg; Lake Okeechobee; Cape Kennedy, Palm Beach.
47	S66-63432	S66-63282	15	24:00	"	Florida (South Half), Tampa Bay area; Lake Okeechobee, Everglades, Keys.
48	S66-63433	S66-63283	15	24:01	"	Florida, Cape Kennedy, Palm Beach, Orlando.
49	S66-63434	S66-63284	15	24:01	"	Florida, Cape Kennedy, Palm Beach, Orlando.
50	S66-63435	S66-63285	15	24:02	"	Florida, Cape Kennedy, Underexposed.
51	S66-63436	S66-63286	15	24:02	"	Bahama Islands, underexposed.
52	S66-63437	S66-63287	15	24:02	"	Blank.
53	S66-63438	S66-63288	16	25:22	"	Mexico (Baja California-Sonora) Gulf of California, Guaymas, looking to northwest.
54	S66-63439	S66-63289	16	25:22	"	Mexico (Baja California-Sonora-Sinaloa) Gulf of California, Guaymas, looking to northwest.
55	S66-63440	S66-63290	16	25:23	"	Mexico (Baja California-Sonora-Sinaloa) Gulf of California, Guaymas, Looking to northwest.
56	S66-63441	S66-63291	16	25:23	"	Mexico (Baja California-Sonora-Sinaloa) Gulf of California, Guaymas, looking to northwest.
57	S66-63442	S66-63292	17	26:31	"	Blank.
58	S66-63443	S66-63293	17	26:31	"	Cellular Cloud Formations.
59	S66-63444	S66-63294	17	26:31	"	Indonesia (Lesser Sunda Islands) Timor, Banda Sea, Timor Sea, Arafura Sea looking to southeast.
60	S66-63445	S66-63295	17	26:31	"	Indonesia (Lesser Sunda Islands) Timor, Banda Sea, Timor Sea, Arafura Sea looking to southeast.
61	S66-63446	S66-63296	17	26:31	"	Indonesia (Lesser Sunda Islands) Timor, Banda Sea, Timor Sea, Arafura Sea looking to southeast.
62	S66-63447	S66-63297	17	26:47	"	Clouds over Pacific Ocean.
63	S66-63448	S66-63298	17	26:47	"	Clouds over Pacific Ocean.
64	S66-63449	S66-63299	17	26:48	"	Clouds over Pacific Ocean.
65	S66-63450	S66-63300	17	26:48	"	Clouds over Pacific Ocean.
66	S66-63451	S66-63301	17	26:49	"	Inside Spacecraft, underexposed.
67	S66-63452	S66-63302	17	26:49	"	Clouds over Pacific Ocean.
68	S66-63453	S66-63303	17	26:49	"	Clouds over Pacific Ocean.
69	S66-63454	S66-63304	17	26:50	"	Clouds over Pacific Ocean.
70	S66-63455	S66-63305	17	26:50	"	Clouds over Pacific Ocean.
71	S66-63456	S66-63306	17	26:50	"	Clouds over Pacific Ocean.
72	S66-63457	S66-63307	17	26:52	"	Blank.
73	S66-63458	S66-63308	17	26:52	"	Clouds, solid overcast.

FRAME NO.	NASA/MSC COLOR NO.	NASA/MSC B & W NO.	REVOLUTION NO.	G.E.T. TIME	DATE (MSC)	LOCATION AND IDENTIFICATION
74	S66-63459	S66-63309			11/12/66	Blank.
75	S66-63460	S66-63310	17	26:53	"	Clouds over Pacific Ocean.
76	S66-63461	S66-63311	17	26:53	"	Clouds over Pacific Ocean.
77	S66-63462	S66-63312	17	26:54	"	Clouds over Pacific Ocean.
78	S66-63463	S66-63313	17	26:54	"	Clouds over Pacific Ocean.
79	S66-63464	S66-63314	17	26:55	"	Clouds over Pacific Ocean.
80	S66-63465	S66-63315	17	26:56	"	Clouds over Pacific Ocean.
81	S66-63466	S66-63316	17	26:56	"	Clouds over Pacific Ocean.
82	S66-63467	S66-63317	25	38:43	11/13/66	Mauritania looking to northeast, Richat Structure, El Djouf Desert.
83	S66-63468	S66-63318	25	38:44	"	Mauritania looking to east, Richat Structure, El Djouf Desert.
84	S66-63469	S66-63319	25	38:44	"	Mauritania looking to east, Richat Structure, El Djouf Desert.
85	S66-63470	S66-63320	25	38:44	"	Mauritania looking to east, Richat Structure, El Djouf Desert.
86	S66-63471	S66-63321	25	38:44	"	Mauritania looking to east, Richat Structure, El Djouf Desert.
87	S66-63472	S66-63322	25	38:45	"	Mauritania looking to south, Richat Structure, El Djouf Desert.
88	S66-63473	S66-63323	25	38:46	"	Mauritania, Spanish Sahara, Canary Islands (Fuerteventura) looking west.
89	S66-63474	S66-63324	25	38:50	"	Algeria, Tiffnine and Irrarene Dune Fields, Tassili-N-Ajjer Mountains.
90	S66-63475	S66-63325	25	38:50	"	Algeria, Tiffnine and Irrarene Dune Fields, Tassili-N-Ajjer Mountains.
91	S66-63476	S66-63326	25	38:55	"	United Arab Republic, Nile Valley from Girga to Delta, Cairo, El Fayum, Suez, Gulf of Suez, Sinai.
92	S66-63477	S66-63327	25	38:55	"	United Arab Republic, Nile Valley from Luxor to Cairo, El Fayum, Suez, Gulf of Suez, Sinai.
93	S66-63478	S66-63328	25	38:55	"	United Arab Republic, Saudi Arabia, Red Sea, Nile Valley, Sinai.
94	S66-63479	S66-63329	25	38:56	"	United Arab Republic, Saudi Arabia, Red Sea, Nile Valley, Sinai.
95	S66-63480	S66-63330	25	38:56	"	United Arab Republic, Saudi Arabia, Red Sea, Nile Valley, Sinai, looking southeast.
96	S66-63481	S66-63331	25	38:56	"	United Arab Republic, Saudi Arabia, Red Sea, Nile Valley, Sinai, looking southeast.
97	S66-63482	S66-63332	25	38:57	"	United Arab Republic, Saudi Arabia, Red Sea, Nile Valley, Sinai, looking south into Sudan.
98	S66-63483	S66-63333	25	39:00	"	Iran, Zagros Mountains, Persian Gulf.
99	S66-63484	S66-63334	25	39:00	"	Iran, Persian Gulf, Zagros Mountains, Qeshm Island, Bandar Abbas.
100	S66-63485	S66-63335	25	39:00	"	Iran-Trucial Coast-Oman, Persian Gulf, Gulf of Oman, Zagros Mountains, Qeshm Island.
101	S66-63486	S66-63336	25	39:01	"	Iran-Trucial Coast-Oman, Persian Gulf, Gulf of Oman, Zagros Mountains, Qeshm Island looking east.
102	S66-63487	S66-63337				Blank
103	S66-63488	S66-63338	29		11/13/66	Agua on tether, clouds over water Makin Island, Gilbert Group.
104	S66-63489	S66-63339	29		"	Agua on tether, clouds over water, Makin Island, Gilbert Group.
105	S66-63490	S66-63340	29		"	Agua on tether, clouds over water, Makin Island, Gilbert Group.
106	S66-63491	S66-63341	29		"	Agua on tether, clouds over water, Makin Island, Gilbert Group.
107	S66-63492	S66-63342	29	46:13	"	Unique vortices off Baja California, Guadalupe I.
108	S66-63493	S66-63343	29	46:13	"	Unique vortices off Baja California, Guadalupe I.

REPRODUCIBILITY OF THE ORIGINAL PAGE IS POOR

FRAME NO.	NASA/MSC COLOR NO.	NASA/MSC B & W NO.	REVOLUTION NO.	G.E.T. TIME	DATE (MSC)	LOCATION AND IDENTIFICATION
109	S66-63494	S66-63344	29	46:14	11/13/66	Unique vortices off Baja California, Guadalupe I.
110	S66-63495	S66-63345	29	46:14	"	Unique vortices off Baja California, Guadalupe I.
111	S66-63496	S66-63346	29	46:15	"	Texas Gulf Coast looking east, Corpus Christi.
112	S66-63497	S66-63347	29	46:15	"	Agema on tether, Texas, San Antonio, Austin, Houston.
113	S66-63498	S66-63348	29	46:17	"	Agema on tether, Texas Gulf Coast, San Antonio, Austin, Houston.
114	S66-63499	S66-63349	29	46:19	"	Agema on tether, Texas Gulf Coast, Louisiana, Oklahoma, Arkansas, Houston, San Antonio, Austin.
115	S66-63500	S66-63350	29	46:19	"	Agema on tether, Texas Gulf Coast, Louisiana, Oklahoma, Arkansas, Houston, Austin.
116	S66-63501	S66-63351	29	46:19	"	Agema on tether, Texas Gulf Coast, Louisiana, Oklahoma, Arkansas, Houston, Austin.
117	S66-63502	S66-63352	29	46:20	"	Agema on tether, Texas Gulf Coast, Louisiana, Arkansas, Houston, Red River Valley.
118	S66-63503	S66-63353	29	46:20	"	Agema on tether, Texas Gulf Coast, Louisiana, Arkansas, Houston, Red River Valley.
119	S66-63504	S66-63354	29	46:20	"	Agema on tether, Texas Gulf Coast, Louisiana, Arkansas, Houston, M.S.C., Red River Valley.
120	S66-63505	S66-63355	29	46:21	"	Texas Gulf Coast, Houston, MSC, Louisiana, Lake Charles.
121	S66-63506	S66-63356	29	46:21	"	Texas Gulf Coast, Houston, MSC, Louisiana, Lake Charles.
122	S66-63507	S66-63357			"	Agema on tether.
123	S66-63508	S66-63358			"	Agema on tether.
124	S66-63509	S66-63359			"	Agema on tether.
125	S66-63510	S66-63360			"	Agema on tether.
126	S66-63511	S66-63361			"	Blank.
127	S66-63512	S66-63362			"	Agema on tether, clouds over water.
128	S66-63513	S66-63363			"	Agema on tether, clouds over water.
129	S66-63514	S66-63364			"	Agema on tether, clouds over water.
130	S66-63515	S66-63365			"	Agema on tether, clouds over water.
131	S66-63516	S66-63366			"	Agema on tether, clouds over water.
132	S66-63517	S66-63367	30	47:46	"	Agema on tether, Mexico (Baja California Sur) looking south.
133	S66-63518	S66-63368	30	47:46	"	Agema on tether, Mexico (Baja California Sur) looking south.
134	S66-63519	S66-63369	30	47:46	"	Agema on tether, Mexico (Baja California Sur) looking south.
135	S66-63520	S66-63370	30	47:46	"	Agema on tether, Mexico (Baja California Sur) looking south.
136	S66-63521	S66-63371	30	47:47	"	Agema on tether, Mexico (Jalisco-Nayarit-Durango-Sinaloa-Colima-Michoacan).
137	S66-63522	S66-63372	30	47:47	"	Agema on tether, Mexico (Jalisco-Nayarit-Durango-Sinaloa-Colima-Michoacan).
138	S66-63523	S66-63373	30	47:47	"	Agema on tether, Mexico (Jalisco-Nayarit-Durango-Sinaloa-Colima-Michoacan).
139	S66-63524	S66-63374	31	47:53	"	Docking bar, terminator, limb.
140	S66-63525	S66-63375	31	47:53	"	Docking bar, terminator, limb.
141	S66-63526	S66-63376	31	47:54	"	Agema on tether, limb, sunset.
142	S66-63527	S66-63377	31	47:54	"	Agema on tether, limb, sunset.
143	S66-63528	S66-63378			"	Blank.
144	S66-63529	S66-63379	39	61:17	11/14/66	United Arab Republic-Arabia, Red Sea, Nile Valley looking southeast.
145	S66-63530	S66-63380	39	61:17	"	United Arab Republic-Arabia, Red Sea, Nile Valley looking southeast.
146	S66-63531	S66-63381	39	61:17	"	United Arab Republic-Arabia, Red Sea, Nile Valley looking southeast.

## MAGAZINE SERIAL NO. 8

Page 6

FRAME NO.	NASA MSC COLOR NO.	NASA/MSC B & W NO.	REVOLUTION NO.	G.E.T. TIME	DATE (MSC)	LOCATION AND IDENTIFICATION
147	S66-63532	S66-63382	39	61:18	11/14/66	United Arab Republic-Saudi Arabia, Red Sea, Nile Valley looking southeast.
148	S66-63533	S66-63383	39	61:18	"	United Arab Republic-Saudi Arabia, Red Sea, Nile Valley looking southeast.
149	S66-63534	S66-63384	39	61:18	"	United Arab Republic-Saudi Arabia, Red Sea, Nile Valley looking southeast.
150	S66-63535	S66-63385	39	61:18	"	United Arab Republic-Saudi Arabia, Red Sea, Nile Valley looking southeast.

## MAGAZINE SERIAL NO. 11

FRAME NO.	NASA/MSC COLOR NO.	NASA/MSC B & W NO.	REVOLUTION NO.	G.E.T. TIME	DATE (MSC)	LOCATION AND IDENTIFICATION
1	S66-62940	S66-63088	32		11/13/66	Agena on tether, clouds over Pacific Ocean.
2	S66-62941	S66-63089	32		"	Agena on tether, clouds over Pacific Ocean.
3	S66-62942	S66-63090	32		"	Agena on tether, clouds over Pacific Ocean.
4	S66-62943	S66-63091	32		"	Agena on tether, clouds over Pacific Ocean.
5	S66-62944	S66-63092	32		"	Agena on tether, clouds over Pacific Ocean.
6	S66-62945	S66-63093	32		"	Agena on tether, clouds over Pacific Ocean.
7	S66-62946	S66-63094	32		"	Agena on tether, clouds over Pacific Ocean.
8	S66-62947	S66-63095	32		"	Agena on tether, clouds over Pacific Ocean.
9	S66-62948	S66-63096	32		"	Agena on tether, clouds over Pacific Ocean.
10	S66-62949	S66-63097	32		"	Agena on tether, clouds over Pacific Ocean.
11	S66-62950	S66-63098	32		"	Agena on tether, clouds over Pacific Ocean.
12	S66-62951	S66-63099	32		"	Agena on tether, clouds over Pacific Ocean.
13	S66-62952	S66-63100	32		"	Agena on tether, clouds over Pacific Ocean.
14	S66-62953	S66-63101	32		"	Agena on tether, clouds over Pacific Ocean.
15	S66-62954	S66-63102	32	51:06	"	Agena on tether, Baja California.
16	S66-62955	S66-63103	32	51:07	"	Agena on tether, Mexico's Pacific Coast near Manzanillo, note long cloud shadows.
17	S66-62956	S66-63104	32	51:07	"	Agena on tether, Mexico's Pacific Coast near Manzanillo, note long cloud shadows.
18	S66-62957	S66-63105	32	51:07	"	Agena on tether, Mexico's Pacific Coast near Manzanillo, note long cloud shadows.
19	S66-62958	S66-63106	32	51:08	"	Agena on tether, at sunset.
20	S66-62959	S66-63107	32	51:09	"	Earth's limb at sunset.
21	S66-62960	S66-63108	32	51:09	"	Earth's limb at sunset.
22	S66-62961	S66-63109	32	51:09	"	Earth's limb at sunset.
23	S66-62962	S66-63110	32	51:09	"	Earth's limb at sunset.
24	S66-62963	S66-63111	32	51:09	"	Earth's limb at sunset.
25	S66-62964	S66-63112	32	51:09	"	Earth's limb at sunset.
26	S66-62965	S66-63113	32	51:10	"	Earth's limb at sunset.
27	S66-62966	S66-63114	32	51:10	"	Earth's limb at sunset.
28	S66-62967	S66-63115	32	51:10	"	Earth's limb at sunset.
29	S66-62968	S66-63116	32	51:10	"	Earth's limb at sunset.



FRAME NO.	NASA/MSC COLOR NO.	NASA/MSC B & W NO.	REVOLUTION NO.	G.E.T. TIME	DATE (MSC)	LOCATION AND IDENTIFICATION
30	S66-62969	S66-63117	32	51:10	11/13/66	Earth's limb at sunset.
31	S66-62970	S66-63118	32	51:10	"	Earth's limb at sunset.
32	S66-62971	S66-63119	32	51:10	"	Earth's limb at sunset.
33	S66-62972	S66-63120	32	51:11	"	Earth's limb at sunset.
34	S66-62973	S66-63121	32	51:12	"	Earth's limb at sunset.
35	S66-62974	S66-63122	34	53:31	"	Maldiv Islands Group, Suwadiya Atoll.
36	S66-62975	S66-63123	34	53:35	"	Andaman Islands, Bay of Bengal (Little Andaman, South Andaman, N. and S. Sentinel)
37	S66-62976	S66-63124	34	53:36	"	Burma, mouths of the Irrawaddy, Rangoon looking north.
38	S66-62977	S66-63125	34	53:36	"	Burma, mouths of the Irrawaddy, Rangoon looking north.
39	S66-62978	S66-63126	34	53:36	"	Burma, mouths of the Irrawaddy, Rangoon looking north.
40	S66-62979	S66-63127	34	53:36	"	Burma, mouths of the Irrawaddy, Rangoon looking north.
41	S66-62980	S66-63128				Blank.
42	S66-62981	S66-63129			"	Major Aldrin inside Spacecraft.
43	S66-62982	S66-63130			"	Major Aldrin inside Spacecraft.
44	S66-62983	S66-63131			"	Major Aldrin inside Spacecraft.
45	S66-62984	S66-63132			"	Major Aldrin inside Spacecraft.
46	S66-62985	S66-63133			"	Blank.
47	S66-62986	S66-63134	39	61:20	"	United Arab Republic-Libya, Mediterranean Coast, Benghazi to El Alamein, Libyan Plateau looking north, slightly out of focus.
48	S66-62987	S66-63135	39	61:21	"	United Arab Republic-Libya, Mediterranean Coast, Sidi Barrani to Qana, Nile Delta, Qattara looking north, slightly out of focus.
49	S66-62988	S66-63136	39	61:24	"	Iran-Saudi Arabia-Qatar-Bahrain-Zagros Mountains, Persian Gulf, looking southwest, slightly out of focus.
50	S66-62989	S66-63137	39	61:25	"	Iran, Trucial Coast, Persian Gulf, Zagros Mountains, Qeshm Island, slightly out of focus.
51	S66-62990	S66-63138	39	61:25	"	Iran, Gulf of Oman, Hamun-E-Jaz-Murian, slightly out of focus.
52	S66-62991	S66-63139	39	61:25	"	Iran-Pakistan, Makran Mountains, Hamun-I-Mashkel, slightly out of focus.
53	S66-62992	S66-63140	39	61:26	"	Pakistan (Baluchistan) Makran Ranges, slightly out of focus.
54	S66-62993	S66-63141	39	61:26	"	Pakistan, Indus Valley, Karachi-Hyderabad, Nara Canal, Makran Ranges slightly out of focus.
55	S66-62994	S66-63142	39	61:26	"	Pakistan-India (Rajasthan and Gujarat); Great Indian Desert, Aravalli Mountains.
56	S66-62995	S66-63143	39	61:26	"	Light in spacecraft.
57	S66-62996	S66-63144			"	Blank.
58	S66-62997	S66-63145	39	65:25	"	Equipment jetison, E.L.S.S. other gear.
59	S66-62998	S66-63146			"	Equipment jetison, E.L.S.S. other gear.
60	S66-62999	S66-63147			"	Equipment jetison, E.L.S.S. other gear.
61	S66-63000	S66-63148			"	Equipment jetison, E.L.S.S. other gear.

-93-

FRAME NO.	NASA/MSC COLOR NO.	NASA/MSC B & W NO.	REVOLUTION NO.	G.E.T. TIME	DATE (MSC)	LOCATION AND IDENTIFICATION
62	S66-63001	S66-63149			11/13/66	Equipment jetison, E.L.S.S. other gear.
63	S66-63002	S66-63150			"	Equipment jetison, E.L.S.S. other gear.
64	S66-63003	S66-63151			"	Equipment jetison, E.L.S.S. other gear.
65	S66-63004	S66-63152			"	Equipment jetison, E.L.S.S. other gear.
66	S66-63006	S66-63154			"	Equipment jetison, E.L.S.S. other gear.
67	S66-63007	S66-63155			"	Standup EVA, nose of spacecraft, velcro pads, etc.
68	S66-63008	S66-63156			"	Standup EVA, view to rear showing adapter section.
69	S66-63009	S66-63157			"	Standup EVA, nose of spacecraft.
70	S66-63010	S66-63158			"	Standup EVA, nose of spacecraft.
71	S66-63011	S66-63159			"	Standup EVA, nose of spacecraft.
72	S66-63012	S66-63160			"	Standup EVA, nose of spacecraft.
73	S66-63013	S66-63161	44	68:51	11/14/66	Florida, Bahama Islands, Cape Kennedy, Cuba (Matanzas Providence)
74	S66-63014	S66-63162			"	Out of focus.
75	S66-63015	S66-63163	44	70:16	"	Arizona-New Mexico, Mexico (Baja California-Sonora-Chihuahua) Gulf of California, looking northeast.
76	S66-63016	S66-63164	44	70:16	"	New Mexico, Mexico (Baja California-Sonora-Chihuahua) looking northeast; contrail and shadow along coast.
77	S66-63017	S66-63165	44	70:18	"	Texas-New Mexico-Arizona, Mexico (Sonora-Chihuahua) Rio Grande Source to Big Bend, White Sands, looking north.
78	S66-63018	S66-63166	44	70:18	"	Texas-New Mexico-Arizona, Mexico (Sonora-Chihuahua) Rio Grande Source to Big Bend, White Sands, looking north.
79	S66-63019	S66-63167	44	70:19	"	Texas-Mexico (Chihuahua-Coahuila), Big Bend area, looking east to Gulf of Mexico.
80	S66-63020	S66-63168	44	70:19	"	Texas-Mexico (Chihuahua-Coahuila), Big Bend area, looking east to Gulf of Mexico.
81	S66-63021	S66-63169	44	70:21	"	Texas-Louisiana-Mexico (Coahuila-Nuevo Leon-Tamaulipas), San Antonio, Austin, Dallas, Corpus Christi.
82	S66-63022	S66-63170	44	70:21	"	Texas-Louisiana, looking east, San Antonio, Austin, Waco, Dallas, Corpus Christi, Houston, Johnson City.
83	S66-63023	S66-63171	44	70:21	"	Texas-Louisiana, looking east, San Antonio, Austin, Waco, Dallas, Corpus Christi, Houston, Johnson City.
84	S66-63024	S66-63172	44	70:21	"	Texas-Louisiana, looking east, San Antonio, Austin, Waco, Dallas, Corpus Christi, Houston, Johnson City, Beaumont.
85	S66-63025	S66-63173	44	70:21	"	Texas-Louisiana, looking east, San Antonio, Austin, Waco, Dallas, Corpus Christi, Houston, Johnson City, Beaumont, Gulf Coast Matagorda to Vermillion Bay.
86	S66-63026	S66-63174	44	70:21	"	Texas-Louisiana, looking east, Houston, Galveston, M.S.C. area, astrodome, Gulf Coast, Matagorda to Vermillion Bay.
87	S66-63027	S66-63175	44	70:22	"	Texas-Louisiana, looking east, Houston, Galveston, M.S.C. area, astrodome, Gulf Coast, Matagorda to Vermillion Bay.
88	S66-63028	S66-63176	44	70:22	"	Texas-Louisiana, looking east, Houston, Galveston, M.S.C. area, astrodome, Gulf Coast, Matagorda to Vermillion Bay.

FRAME NO.	NASA/MSC COLOR NO.	NASA/MSC B & W NO.	REVOLUTION NO.	G.E.T. TIME	DATE (MSC)	LOCATION AND IDENTIFICATION
89	S66-63029	S66-63177	44	70:22	11/14/66	Texas-Louisiana, looking east, Houston, Galveston, MSC area, Astrodome, Gulf Coast, Matagorda to Vermillion Bay.
90	S66-63030	S66-63178	44	70:22	"	Texas-Louisiana, looking east, Houston, Galveston, MSC area, Astrodome, Gulf Coast, Matagorda to Vermillion Bay.
91	S66-63031	S66-63179	44	70:22	"	Texas-Louisiana, looking N.E. Houston area (Astrodome, freeways, MSC, Clear Lake, Ellington, Gulf Coast, Matagorda to Vermillion Bay.
92	S66-63032	S66-63180	44	70:22	"	Texas-Louisiana, looking N.E. Houston area (ship channel, bayou industries, San Jacinto, Jetero) Gulf Coast, Matagorda to Vermillion Bay.
93	S66-63033	S66-63181	44	70:22	"	Texas-Louisiana, looking N.E. Houston area, Beaumont-Port Arthur, Lake Charles, Rayburn Reservoir Gulf Coast, Matagorda to Vermillion Bay.
94	S66-63034	S66-63182	44	70:23	"	Texas-Louisiana, west view of Houston, MSC area, Galveston, Beaumont, freeways, Nassau Bay, Timber Cove.
95	S66-63035	S66-63183	44	70:23	"	Texas-Louisiana, looking N.W. Houston, Beaumont, Lake Charles, Gulf Coast, Arkansas to White Lake.
96	S66-63036	S66-63184	44	70:23	"	Texas-Louisiana, looking west, Houston, Beaumont, Lake Charles, Gulf Coast, mouth of Rio Grande to Calcasieu.
97	S66-63037	S66-63185	44	70:23	"	Texas-Louisiana, looking west, Houston, Beaumont, Lake Charles, Gulf Coast, mouth of Rio Grande to Calcasieu, Pacific Ocean on horizon.
98	S66-63038	S66-63186	44	70:23	"	Texas-Louisiana, looking S.W., Houston, Beaumont, Lake Charles, Gulf Coast, mouth of Rio Grande to Calcasieu, Pacific Ocean on horizon.
99	S66-63039	S66-63187	44	70:23	"	Texas-Louisiana, looking S.W., Houston, Beaumont, Lake Charles, Gulf Coast, mouth of Rio Grande to Calcasieu, Pacific Ocean on horizon, Vera Cruz.
100	S66-63040	S66-63188	44	70:25	"	Florida, Cape Kennedy, East Coast from Jacksonville to Palm Beach, Orlando.
101	S66-63041	S66-63189	44	70:25	"	Florida, Cape Kennedy, East Coast from Jacksonville to Palm Beach, Orlando.
102	S66-63042	S66-63190	44	70:25	"	Florida, Cape Kennedy, East Coast from Jacksonville to Fort Pierce, Patrick AFB.
103	S66-63043	S66-63191				Blank.
104	S66-63044	S66-63192	45	71:45	"	Mexico (Baja California) between Punta Baja and Santa Rosalia, small bit of Sonora at Puerto Libertad.
105	S66-63045	S66-63193	45	71:45	"	Mexico (Baja California) between Punta Baja and Santa Rosalia, small bit of Sonora at Puerto Libertad.
106	S66-63046	S66-63194	45	71:45	"	Mexico (Baja California) between Punta Baja and Santa Rosalia, small bit of Sonora at Puerto Libertad.
107	S66-63047	S66-63195	45	71:45	"	Mexico (Baja California) between Punta Baja and Santa Rosalia, small bit of Sonora at Puerto Libertad.
108	S66-63048	S66-63196	45	71:45	"	Mexico (Baja California) between Punta Baja and Santa Rosalia, small bit of Sonora at Puerto Libertad.
109	S66-63049	S66-63197	45	71:45	"	Mexico (Baja California) between Punta Baja and Santa Rosalia, small bit of Sonora near Hermosillo.
110	S66-63050	S66-63198	45	71:45	"	Mexico (Baja California) between Punta Baja and Santa Rosalia, small bit of Sonora near Hermosillo.

FRAME NO.	NASA/MSC COLOR NO.	NASA/MSC B & W NO.	REVOLUTION NO.	G.E.T. TIME	DATE (MSC)	LOCATION AND IDENTIFICATION
111	S66-63051	S66-63199	45	71:45	11/14/66	Mexico (Baja California) between Punta Baja and Santa Rosalia, small bit of Sonora near Hermosillo.
112	S66-63052	S66-63200	45	71:46	"	Mexico (Baja California-Sonora-Sinaloa), unique sun glint.
113	S66-63053	S66-63201	45	71:46	"	Mexico (Baja California-Sonora-Sinaloa), unique sun glint.
114	S66-63054	S66-63202	45	71:46	"	Mexico (Baja California-Sonora-Sinaloa), unique sun glint.
115	S66-63055	S66-63203	45	71:47	"	Texas, Solitario Structure, Big Bend of Rio Grande; Mexico (Chihuahua-Coahuila) Chihuahua City.
116	S66-63056	S66-63204	45	71:48	"	Texas-Mexico (under clouds), Valley of Mueces and Frio, Falcon Reservoir.
117	S66-63057	S66-63205	45	71:49	"	Texas-Mexico (under clouds), Corpus Christi, Gulf Coast from Laguna Madre to Matagorda.
118	S66-63058	S66-63206	45	71:49	"	Texas-Mexico (under clouds), Corpus Christi, Gulf Coast from Laguna Madre to Matagorda.
119	S66-63059	S66-63207	45	71:49	"	Texas-Mexico (under clouds), Corpus Christi, Gulf Coast from Laguna Madre to Matagorda.
120	S66-63060	S66-63208	45	71:49	"	Texas-Mexico (under clouds), Corpus Christi, Gulf Coast from Laguna Madre to Matagorda.
121	S66-63061	S66-63209	45	71:50	"	Texas-Louisiana Gulf Coast from Matagorda to Vermillion Bay, Houston.
122	S66-63062	S66-63210	45	71:50	"	Texas-Louisiana Gulf Coast from Matagorda to Vermillion Bay, Houston.
123	S66-63063	S66-63211	45	71:52	"	South Florida including keys Cay Sal Bank, Florida Straits.
124	S66-63064	S66-63212	45	71:52	"	Cuba, La Habana, Pinar Del Rio, Matanzas, Las Villas Provinces; Florida Keys, Cay Sal Bank.
125	S66-63065	S66-63213	45	71:52	"	Cuba, La Habana, Matanzas, Las Villas, Camaguey Provinces, Isla Pinos, Bahia Cochinos.
126	S66-63066	S66-63214	45	71:53	"	Cuba, Matanzas, Las Villas, Camaguey Provinces, Old Bahama Channel, Great Bahama Bank.
127	S66-63067	S66-63215	46	71:53	"	Cuba looking west from Oriente Province, Yucatan, Gulf of Honduras, Honduras, Pacific Ocean.
128	S66-63068	S66-63216	46	71:53	"	Looking west across all of Cuba, Jamaica, Gulf of Honduras, Honduras, Pacific Ocean.
129	S66-63069	S66-63217	46	71:53	"	Eastern Cuba, Jamaica looking west to Central America.
130	S66-63070	S66-63218	46	71:53	"	Bahama Islands, Great Inagua, Acklins, Mayaguana, The Caicos.
131	S66-63071	S66-63219	46	71:54	"	Bahama Islands, Great Inagua, Acklins, Mayaguana, The Caicos.
132	S66-63072	S66-63220	46	71:54	"	Bahama Islands, Great Inagua, Grand Turk, Mayaguana, The Caicos.
133	S66-63073	S66-63221	46	71:52	"	Limb, sunset.
134	S66-63074	S66-63222	47	"	"	Clouds over Pacific Ocean.
135	S66-63075	S66-63223	47	"	"	Clouds over Pacific Ocean.
136	S66-63076	S66-63224	47	"	"	Clouds over Pacific Ocean.
137	S66-63077	S66-63225	47	74:50	"	Hawaiian Chain including Midway, Kure, Pearl & Hermes Reef looking southeast.
138	S66-63078	S66-63226	47	74:50	"	Hawaiian Chain including Midway, Kure, Pearl & Hermes Reef looking southeast.
139	S66-63079	S66-63227	47	74:50	"	Hawaiian Chain including Pearl & Hermes Reef, Salmon Bank.
140	S66-63080	S66-63228	47	74:51	"	Hawaiian Chain including Pearl & Hermes Reef, Salmon Bank, Midway, Kure, looking west.
141	S66-63081	S66-63229	54	85:21	11/15/66	United Arab Republic, Jordan, Red Sea, Saudi Arabia looking south, Jetstream Cirrus.
142	S66-63082	S66-63230	54	85:24	"	Iran, Persian Gulf, Gulf of Oman, Trucial Oman, Muscat & Oman, Zafros Mts., Qeshm Island
143	S66-63083	S66-63231	55	86:44	"	Mauritania-Spanish Sahara-Algeria, Erg Iguidi, Hamada Du Dra, Azlef uplift.
144	S66-63084	S66-63232	"	"	"	Blank.
145	S66-63085	S66-63233	"	"	"	Bernard cells over Pacific Ocean.
146	S66-63086	S66-63234	"	"	"	Bernard cells over Pacific Ocean.
147	S66-63087	S66-63235	56	88:24	"	Libya-Algeria-Tunisia, Hamada El Hamra, Idehan and Tiririne Dunes, Grand Erg Oriental, Note Contrail & Shadow.

## MAGAZINE SERIAL NO. 10

FRAME NO.	NASA/HSC COLOR NO.	NASA/MSC B & W NO.	REVOLUTION NO.	G.E.T. TIME	DATE (MSC)	LOCATION AND IDENTIFICATION
1	566-62749	566-62701	3	0401	11/11/66	Agena at Range of 50'
2	566-62750	566-62702	3	0401	"	Agena at Range of 50'
3	566-62751	566-62703	3	0401	"	Agena at range of 50'
4	566-62752	566-62704	3	0405	"	Agena at range of 12'
5	566-62753	566-62705	3	0405	"	Agena at range of 12'
6	566-62754	566-62706	3	0405	"	Agena at range of 14'
7	566-62755	566-62707	3	0409	"	Agena at range of 50' - excellent side view and stereo
8	566-62756	566-62708	3	0409	"	Agena at range of 53' - excellent side view and stereo
9	566-62757	566-62709	3	0409	"	Agena at Range of 55' - excellent side view and stereo
10	566-62758	566-62710	-	-	"	Blank
11	566-62759	566-62711	28		"	Major Aldrin Extra Vehicular Activity - right side
12	566-62760	566-62712	28		"	Major Aldrin Extra Vehicular Activity - right side
13	566-62761	566-62713	-		"	Blank
14	566-62762	566-62714	28		"	Major Aldrin Extra Vehicular Activity - right arm
15	566-62763	566-62715	28		"	Major Aldrin Extra Vehicular Activity
16	566-62764	566-62716	28		"	Major Aldrin Extra Vehicular Activity
17	566-62765	566-62717	28		"	Major Aldrin Extra Vehicular Activity
18	566-62766	566-62718	28		"	Major Aldrin Extra Vehicular Activity - Florida and Bahama Islands in background
19	566-62767	566-62719	28		"	Major Aldrin Extra Vehicular Activity
20	566-62768	566-62720	28		"	Major Aldrin Extra Vehicular Activity
21	566-62769	566-62721	28		"	Major Aldrin Extra Vehicular Activity
22	566-62770	566-62722	-		"	Blank
23	566-62771	566-62723	28		"	Major Aldrin Extra Vehicular Activity
24	566-62772	566-62724	28		"	Major Aldrin Extra Vehicular Activity
25	566-62773	566-62725	28		"	Major Aldrin Extra Vehicular Activity
26	566-62774	566-62726	28		"	Major Aldrin Extra Vehicular Activity
27	566-62775	566-62727	28		"	Major Aldrin Extra Vehicular Activity
28	566-62776	566-62728	28		"	Major Aldrin Extra Vehicular Activity
29	566-62777	566-62729	28		"	Major Aldrin Extra Vehicular Activity
30	566-62778	566-62730	28		"	Major Aldrin Extra Vehicular Activity
31	566-62779	566-62731	28		"	Major Aldrin Extra Vehicular Activity
32	566-62780	566-62732	28		"	Blank
33	566-62781	566-62733	28		"	Major Aldrin Extra Vehicular Activity
34	566-62782	566-62734	28		"	Major Aldrin Extra Vehicular Activity - Best view of series
35	566-62783	566-62735	28		"	Major Aldrin Extra Vehicular Activity
36	566-62784	566-62736	28		"	Major Aldrin Extra Vehicular Activity - Right leg and foot

## MAGAZINE SERIAL NO. 10 CONTINUED

FRAME NO.	NASA/MSC COLOR NO.	NASA/MSC B & W NO.	REVOLUTION NO.	G.E.T. TIME	DATE (HSC)	LOCATION AND IDENTIFICATION
37	566-62785	566-62737	30		11/13/66	Agna on tether, clouds over water background
38	566-62786	566-62738	30		"	Agna on tether, clouds over water background
39	566-62787	566-62739	30		"	Agna on tether, clouds over water background
40	566-62788	566-62740	30		"	Agna on tether, clouds over water background
41	566-62789	566-62741	30		"	Agna on tether, clouds over water background
42	566-62790	566-62742	30		"	Agna on tether, clouds over water background
43	566-62791	566-62743	30		"	Agna on tether, clouds over water background
44	566-62792	566-62744	30		"	Agna on tether, clouds over water background
45	566-62793	566-62745	30	4752	"	California-Arizona-Nevada-Utah-Colorado-New Mexico; Colorado River, Grand Canyon, Death Valley, Lake Mead
46	566-62794	566-62746	30	4752	"	Arizona-New Mexico; Mexico (Sonora); Tucson; Phoenix, Mogollon Rim, Painted Desert, Agna on tether
47	566-62795	566-62747	30	4754	"	Arizona-New Mexico; Mexico (Sonora-Chihuahua), Agna on tether
48	566-62796	566-62748	30	4755	"	Arizona-New Mexico; Mexico (Sonora-Chihuahua), Rio Grande Valley, looking to northwest

## MAGAZINE SERIAL NO. 17

FRAME NO.	NASA/MSC COLOR NO.	NASA/MSC B & W NO.	REVOLUTION NO.	G.E.T. TIME	DATE (MSC)	LOCATION AND IDENTIFICATION
1	S66-62867	S66-62797	-	-	11/12/66	Blank
2	S66-62868	S66-62798	13		"	Docked to Agena, hatch open
3	S66-62869	S66-62799	13		"	Docked to Agena, hatch open
4	S66-62870	S66-62800	13		"	Docked to Agena, hatch open
5	S66-62871	S66-62801	13		"	Docked to Agena, hatch open
6	S66-62872	S66-62802	13		"	Docked to Agena, hatch open
7	S66-62873	S66-62803	13		"	Spacecraft skin looking aft, Maurer 16mm Movie Camera, hatch open
8	S66-62874	S66-62804	13		"	Spacecraft skin looking aft, Maurer 16mm Movie Camera, hatch open
9	S66-62875	S66-62805	13		"	Spacecraft skin, hatch open
10	S66-62876	S66-62806	13		"	Docked to Agena, hatch open
11	S66-62877	S66-62807	13		"	Docked to Agena, hatch open
12	S66-62878	S66-62808	13		"	Clouds, sea, horizon, hatch open
13	S66-62879	S66-62809	13		"	Clouds, sea, horizon, hatch open
14	S66-62880	S66-62810	13	1947	"	Docked to Agena, hatch open, Mexico, Baja California, looking East
15	S66-62881	S66-62811	13	1947	"	Docked to Agena, hatch open, Mexico, Baja California, looking East
16	S66-62882	S66-62812	13	1947	"	Docked to Agena, hatch open, Mexico, Baja California, looking East
17	S66-62883	S66-62813	13	1948	"	Docked to Agena, hatch open, west coast of Mexico from Culiacan to Acapulco
18	S66-62884	S66-62814	13	1948	"	Docked to Agena, hatch open, west coast of Mexico from Culiacan to Rosarillo
19	S66-62885	S66-62815	13	1948	"	Docked to Agena, hatch open, west coast of Mexico from Mazatlan to Manzanillo
20	S66-62886	S66-62816	13	1948	"	Docked to Agena, hatch open, Mexico, Guadalajara, Guaymas, looking northwest
21	S66-62887	S66-62817	13	1950	"	Docked to Agena, hatch open, Mexico, looking East, Tehuantepec, Mexico City, Yucatan
22	S66-62888	S66-62818	13	1950	"	Docked to Agena, hatch open, Mexico, Mexico City, Puebla
23	S66-62889	S66-62819	13	1951	"	Docked to Agena, hatch open, Looking north, Northeast Mexico, South Texas
24	S66-62890	S66-62820	13	1951	"	Docked to Agena, hatch open, Mexico, Mexico City, Yucatan, Gulf of Mexico
25	S66-62891	S66-62821	13	1951	"	Docked to Agena, hatch open, Mexico, Isthmus of Tehuantepec, Guatemala, Yucatan looking east
26	S66-62892	S66-62822	13	1951	"	Mexico, Yucatan, Yucatan Straits, Cuba, hatch open
27	S66-62893	S66-62823	13	1952	"	Docked to Agena, hatch open, Gulf of Mexico, U.S. Gulf Coast in background
28	S66-62894	S66-62824	13	1952	"	Docked to Agena, hatch open, Gulf of Mexico, U.S. Gulf Coast in background
29	S66-62895	S66-62825	13	1952	"	Docked to Agena, hatch open, Gulf of Mexico, U.S. Gulf Coast in background
30	S66-62896	S66-62826	13	1952	"	Docked to Agena, hatch open, Gulf of Mexico, U.S. Gulf Coast in background
31	S66-62897	S66-62827	13	1953	"	Docked to Agena, hatch open, Florida
32	S66-62898	S66-62828	13	1953	"	Docked to Agena, hatch open, Florida
33	S66-62899	S66-62829	13	1953	"	Docked to Agena, hatch open, Florida
34	S66-62900	S66-62830	13	1953	"	Docked to Agena, hatch open, Florida, Bahama Islands
35	S66-62901	S66-62831	13	1954	"	Docked to Agena, hatch open, Florida, Bahama Islands
36	S66-62902	S66-62832	13	1954	"	Docked to Agena, hatch open, Florida, Bahama Islands

## MAGAZINE SERIAL NO. 17 CONTINUED

FRAME NO.	NASA/MSC COLOR NO.	NASA/MSC B & W NO.	REVOLUTION NO.	G.E.T TIME	DATE (MSE)	LOCATION AND IDENTIFICATION
37	S66-62903	S66-62833	13	1954	11/12/66	Docked to Agena, hatch open, Florida, Bahama Islands
38	S66-62904	S66-62834	13	1954	"	Docked to Agena, hatch open, Florida, Bahama Islands
39	S66-62905	S66-62835	13	1954	"	Docked to Agena, hatch open, Florida, Bahama Islands
40	S66-62906	S66-62836	14	1955	"	Docked to Agena, hatch open, Florida, looking to North
41	S66-62907	S66-62837	14	1955	"	Docked to Agena, hatch open, Florida, looking to North
42	S66-62908	S66-62838	14	1955	"	Docked to Agena, hatch open, Miami, Florida Keys, Bahama Island
43	S66-62909	S66-62839	14	1955	"	Docked to Agena, hatch open, Bahama Islands
44	S66-62910	S66-62840	14	1955	"	Docked to Agena, hatch open, Bahama Islands
45	S66-62911	S66-62841	14	"	"	Docked to Agena, hatch open, clouds over water
46	S66-62912	S66-62842	14	"	"	Docked to Agena, hatch open, clouds over water
47	S66-62913	S66-62843	14	"	"	Docked to Agena, hatch open, clouds over water
48	S66-62914	S66-62844	14	"	"	Docked to Agena, hatch open, clouds over water
49	S66-62915	S66-62845	14	"	"	Inside spacecraft, out of focus
50	S66-62916	S66-62846	14	"	"	Inside spacecraft, out of focus
51	S66-62917	S66-62847	14	"	"	Looking aft on spacecraft, hatch open, Maurer 16mm Movie Camera
52	S66-62918	S66-62848	14	"	"	Looking aft on spacecraft, hatch open, Maurer 16mm Movie Camera
53	S66-62919	S66-62849	14	"	"	Looking aft on spacecraft, hatch open, Maurer 16mm Movie Camera
54	S66-62920	S66-62850	14	"	"	Looking aft on spacecraft, hatch open, Maurer 16mm Movie Camera
55	S66-62921	S66-62851	14	"	"	Major Aldrin's helmet, out of focus
56	S66-62922	S66-62852	14	"	"	Major Aldrin's helmet
57	S66-62923	S66-62853	14	"	"	Major Aldrin's helmet
58	S66-62924	S66-62854	14	"	"	Major Aldrin's helmet, open hatch
59	S66-62925	S66-62855	14	"	"	Major Aldrin's helmet, open hatch
60	S66-62926	S66-62856	14	"	"	Major Aldrin's helmet, open hatch, Blue Maurer Camera
61	S66-62927	S66-62857	14	"	"	Major Aldrin's helmet, open hatch
62	S66-62928	S66-62858	14	2104	"	Agena Docked to spacecraft, hatch open, looking east, Spanish Sahara, Mauritania, Cap Blanc
63	S66-62929	S66-62859	14	2104	"	Agena Docked to spacecraft, hatch open, looking east, Spanish Sahara, Mauritania, Cap Blanc
64	S66-62930	S66-62860	14	2104	"	Agena Docked to spacecraft, hatch open, looking E, Spanish Sahara, Mauritania, Cap Blanc
65	S66-62931	S66-62861	14	2105	"	Agena Docked to spacecraft, hatch open, looking NE, Spanish Sahara, Mauritania, Cap Blanc
66	S66-62932	S66-62862	14	2105	"	Agena Docked to spacecraft, hatch open, looking NE, Spanish Sahara, Mauritania, Cap Blanc
67	S66-62933	S66-62863	14	2220	"	Agena Docked to spacecraft, hatch open, Mexico (Baja California-Sonora-Durango-Sinaloa-Chihuahua)
68	S66-62934	S66-62864	14	2220	"	Agena Docked to spacecraft, hatch open, Mexico (Baja California-Sonora-Durango-Sinaloa-Chihuahua)
69	S66-62935	S66-62865	14	2221	"	Agena Docked to spacecraft, hatch open, Mexico (Baja California-Sinaloa-Durango-Mayarit-Jalisco)
70	S66-62936	S66-62866	14	2221	"	Agena docked to spacecraft, hatch open, Mexico (Baja California-Sinaloa-Sonora)



## REFERENCES

1. Underwood, Richard W.: Gemini III 70-mm Photography Identification. REDAF 50-00103, rev. 3. NASA-JSC, 1966.
2. Underwood, Richard W.: Gemini IV 70-mm Photography Identification. REDAF NR-50-00104. NASA-JSC, 1965.
3. Underwood, Richard W.: Gemini V 70-mm Photography Identification. REDAF NR-50-00105, rev. 2. NASA-JSC, 1966.
4. Underwood, Richard W.: Gemini VI 70-mm Photography Identification. REDAF NR-50-106, rev. 2. NASA-JSC, 1966.
5. Underwood, Richard W.: Gemini VII 70-mm Photography Identification. REDAF NR-50-00107, rev. 2. NASA-JSC, 1966.
6. Underwood, Richard W.: Gemini VIII 70-mm Photography Identification. REDAF NR-50-00108, NASA-JSC, 1966.
7. Underwood, Richard W.: Gemini IX 70-mm Photography Identification. REDAF NR-50-00100, rev. 1. NASA-JSC, 1966.
8. Underwood, Richard W.: Gemini X 70-mm Photography Identification. REDAF NR-50-00110, preliminary. NASA-JSC, 1966.
9. Underwood, Richard W.: Gemini XI 70-mm Photography Identification. REDAF NR-50-00111. NASA-JSC, 1966.
10. Underwood, Richard W.: Gemini XII 70-mm Photography Identification. REDAF NR-50-00112, preliminary. NASA-JSC, 1966.
11. Giddings, L.: Index Maps for Gemini Earth Photography. NASA N75-28502, 1975.
12. Hixon, S. B.: Technical Working Paper, Photographic Data Computer Program: GEMSORT. LEC/ASD No. TWP-70-12, Lockheed Electronics Company, for Mapping Sciences Laboratory NASA-JSC. NASA Report TMX69817. STAR N74-71532. 1970.
13. Mercury Project Summary, Including Results of the Fourth Manned Orbital Flight, May 15 and 17, 1963. NASA SP-45 (1963)  
(Contains only a summary of photography from each mission.)
- 14.\* Underwood, R. W.; and Tiedemann, H. A.: Apollo-Saturn 4 70-mm Onboard Photographic Identification List. REDAF 51-00425, NASA-JSC, 1967.
- 15.\* Underwood, Richard W.; and Tiedemann, Herbert A.: Apollo-Saturn VI Onboard Photographic Identification List, REDAF 51-0107, NASA-JSC, 1968.

---

\*These documents are scheduled for publication in Near-Earth Photographs from the Apollo missions and the Apollo-Soyuz Test Project, JSC-12947, REDAF 51-467.

- 16.\* Apollo 7 Mission Data and Information List, 70-mm Color Photography. REDAF NR-51-00207. NASA-JSC, 1969.
- 17.\* Apollo 8, 70-mm Photo Indices. REDAF 51-00208. NASA-JSC, 1969.
- 18.\* Apollo 9 Photographic Plotting and Indexing Report. REDAF NR-51-00209. NASA-JSC, 1969.
- 19.\* Apollo Earth Photographs Index Maps, Apollo Missions 6, 7, and 9. REDAF NR-51-00301. (TMX-72450) NASA-JSC.
20. Underwood, Richard W.: Skylab 2 Photoidentification List, Photographic Technology Division. NASA-JSC STAR N74-16110\*# N74-16110.
21. Underwood, Richard W.; and Holland, John W.: Skylab 3 Photographic Index and Scene Identification. Photographic Technology Division Report JLL2-603. NASA-JSC STAR\*#, 1973.
22. Underwood, Richard W.; and Holland, John W.: Skylab 4 Photographic Index and Scene Identification. Photographic Technology Division Report JLL2-603. REDAF NR-53-00102. NASA-JSC, STAR N75-27536\*#, 1974.
23. Skylab Earth Resources Data Catalog. NASA Johnson Space Center, Houston, Texas. 1974, p. 1, JSC-09016.
- 24.\* Underwood, Richard W.: Apollo-Soyuz Test Project Index to Onboard Photography. REDAF 51-00465. NASA-JSC, 1975.
25. Giddings, L. E.: Bolivia from Space, Images and Other Information from Satellites, with Catalogs. PB262990. (Available from NTIS). 1977.
26. Giddings, L. E.: Mexico desde el Espacio. Scheduled for publication by the Comision de Estudios del Territorio Nacional of Mexico in 1977. (Spanish language) REDAF NR07-00262.
27. Earth Photos from Gemini III, IV, and V, with indices. NASA-JSC SP-129, 1967. N67-26641.
28. Earth Photos from Gemini VI through Gemini XII, with indices. NASA-JSC SP-171, 1968. N69-28909.
29. Cortright, Edgar M., compiler and editor: Exploring Space with a Camera. NASA SP-168, Washington. STAR N68-34870. 1967.
30. Around the World: A View from Space. Rand McNally, New York, 1969.
31. Lowman, Paul D. Jr.: Space Panorama. Weltflugbild, Müller, Zurich, 1968.

\*These documents are scheduled for publication in Near-Earth Photographs from the Apollo missions and the Apollo-Soyuz Test Project, JSC-12947, REDAF 51-467.